

# SUPPLEMENT No.1 TO CATALOG No.41



**EXCELSIOR STOVE**  
**AND**  
**MFG. COMPANY**

*Office & Foundry --- QUINCY, ILL.*  
*Branches OKLAHOMA CITY, OKLA., ST. PAUL, MINN., PARIS TEX.*





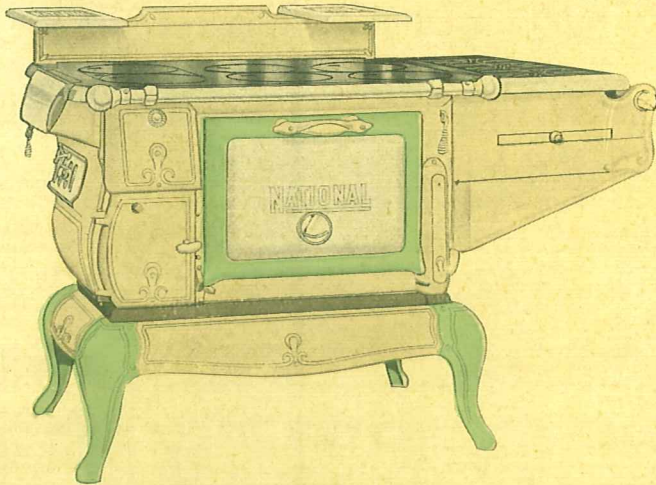
# Excelsior Stove & Manufacturing Company

## NEWART NATIONAL

Cast Range, Ivory-Tan and Green Porcelain Enameled Finish

For Hard Coal, Soft Coal, Wood and Gas

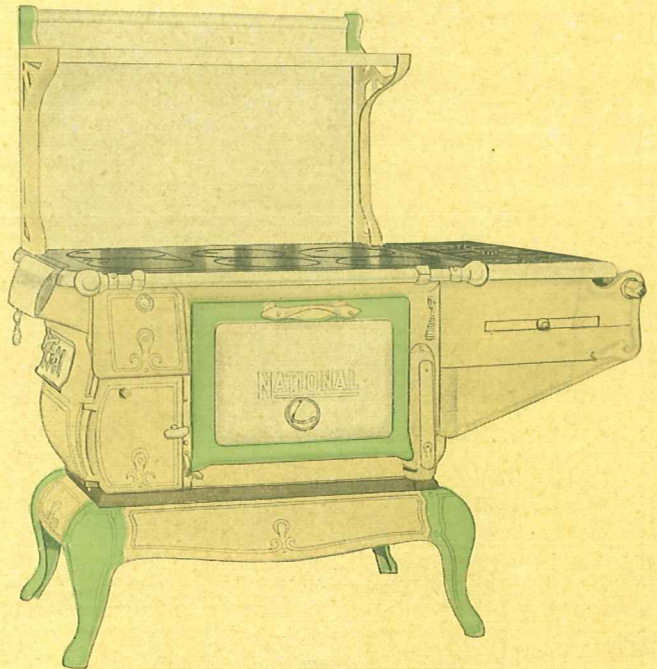
### IG-SERIES



*With Balustrade and Gas Hot Plate*

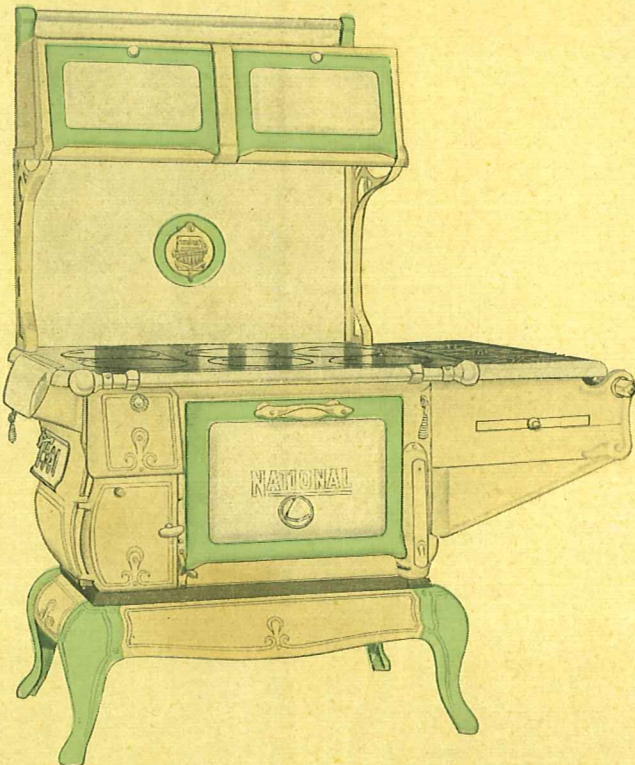
*The Porcupine Firebacks used in NEWART National Ranges, are guaranteed for twenty-five years.*

### IG-SERIES



*With High Shelf and Gas Hot Plate*

### IG-SERIES



*With High Closet and Gas Hot Plate*

### NATIONAL GAS HOT PLATE

Attached only to No. 8618 NEWART National and is equipped with three extra large cast cored drilled star burners, with loose porcelain spider sections. All burners may be removed for cleaning. Lever valves indicate the volume of gas supplied. Polished top 14 x 28½ inches. Front bracket porcelain enamel.

For Description of NEWART See Catalog 41, Pages 28 and 29.

**NATIONALS ARE THE HIGHEST GRADE AT MEDIUM PRICE.**



# National Stoves, Ranges and Furnaces



## NEWART NATIONAL

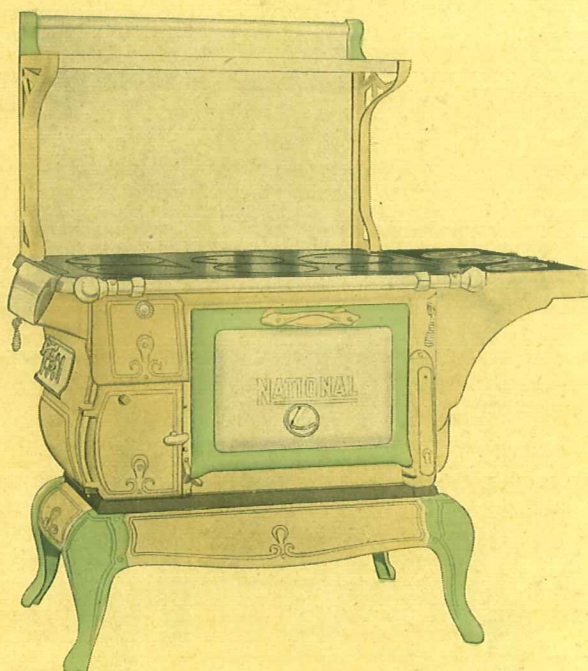
Cast Range, Ivory-Tan and Green Porcelain Enamel Finish

For Hard Coal, Soft Coal, Wood and Electricity

### IG-SERIES

*You can obtain a style and size in the National Line to meet your trade's requirements.*

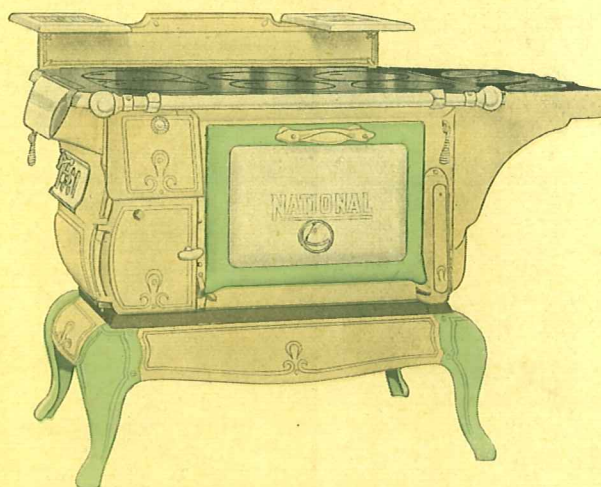
### IG-SERIES



*With High Shelf and Electric Hot Plate*

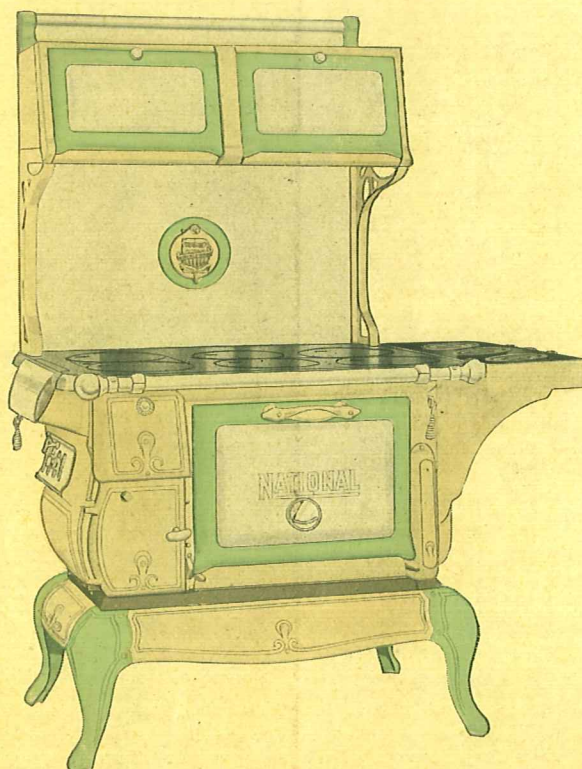
### NATIONAL ELECTRIC HOT PLATE

Attached only to No. 8618 NEWART National and is equipped with three 550 watt units with one heat indicating rotary switch for each burner and draws 5 amperes each for 110 volts. Top is sheet steel finished in black enamel, size 11 x 27 inches. Front bracket porcelain enamel. Furnished with standard length insulated cord and two piece plug with hot plate.



*With Balustrade and Electric Hot Plate*

### IG-SERIES



*With High Closet and Electric Hot Plate*

For Description of NEWART See Catalog 41, Pages 28 and 29

NATIONALS MAKE CHEERFUL AND COMFORTABLE HOMES





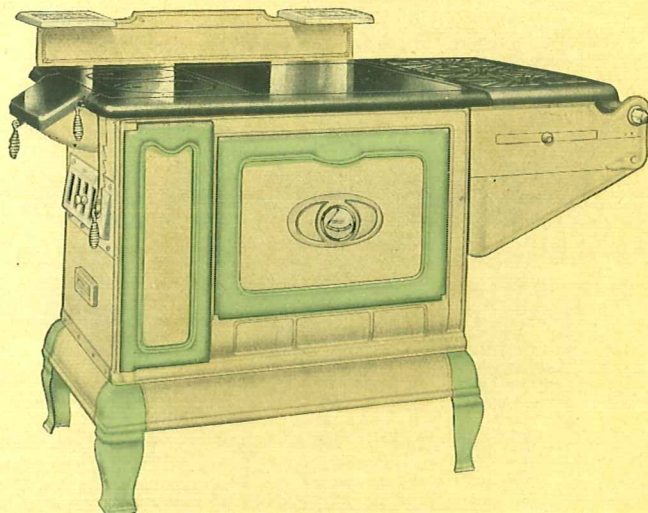
# Excelsior Stove & Manufacturing Company

## MODISH NATIONAL

Steel Range, Ivory-Tan and Green Porcelain Enameled Finish

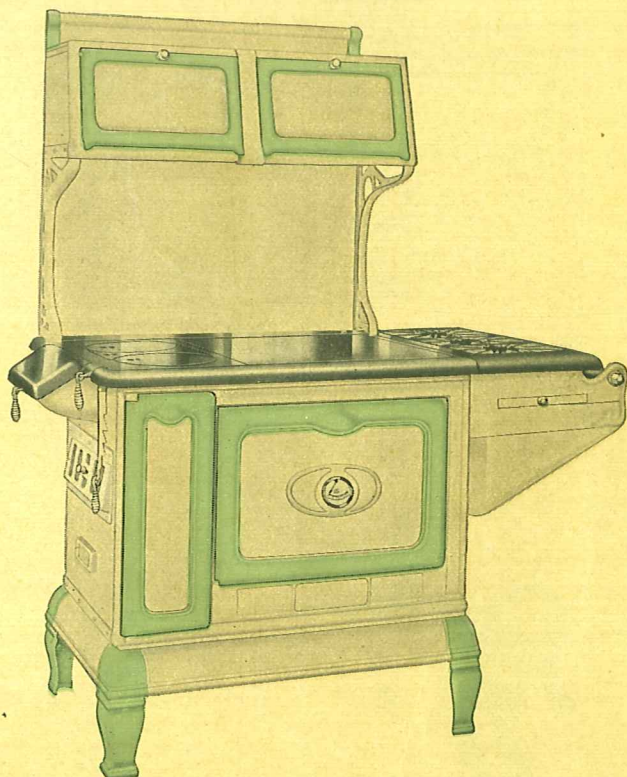
For Hard Coal, Soft Coal, Wood and Gas

### IG-PF SERIES



*With Balustrade and Gas Hot Plate*

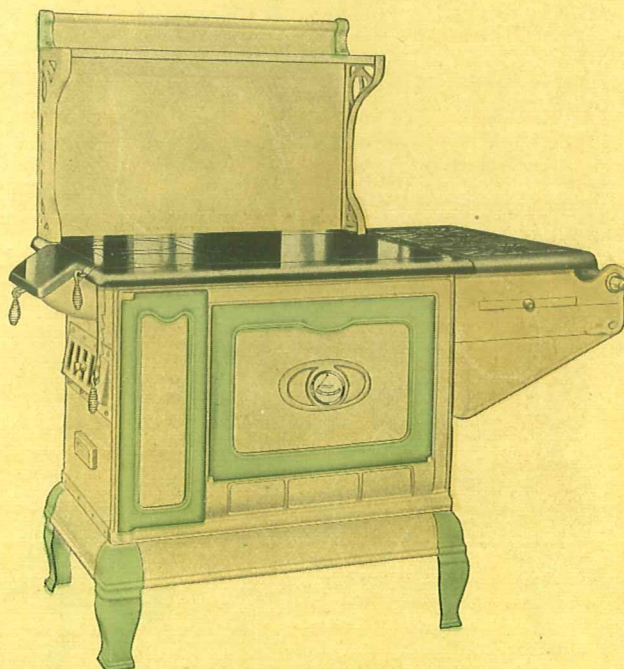
### IG-PF SERIES



*With High Closet and Gas Hot Plate*

*The MODISH National is a most modern designed and practical range.*

### IG-PF SERIES



*With High Shelf and Gas Hot Plate*

It answers correctly every need for cooking and baking.

For Description and Detail See Pages 20 and 21

NATIONAL STOVES AND FURNACES ALWAYS SATISFY



# National Stoves, Ranges and Furnaces



## MODISH NATIONAL

Steel Range, Ivory-Tan and Green Porcelain Enameled Finish

For Hard Coal, Soft Coal, Wood and Electricity

*The MODISH National beautifies the kitchen and its surroundings — most sanitary in every way.*

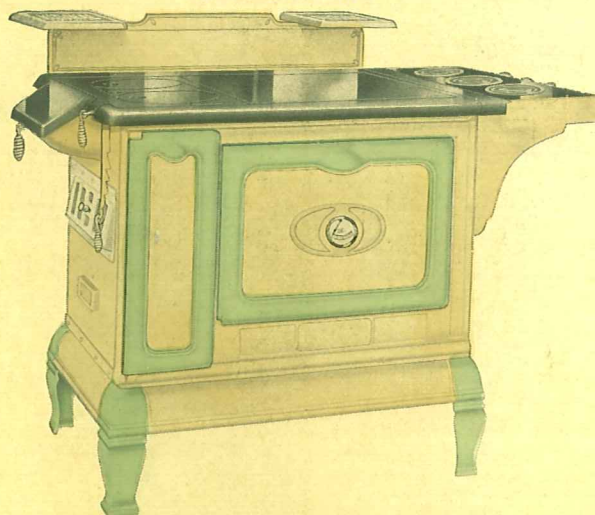
### IG-PF SERIES



*With High Shelf and Electric Hot Plate*

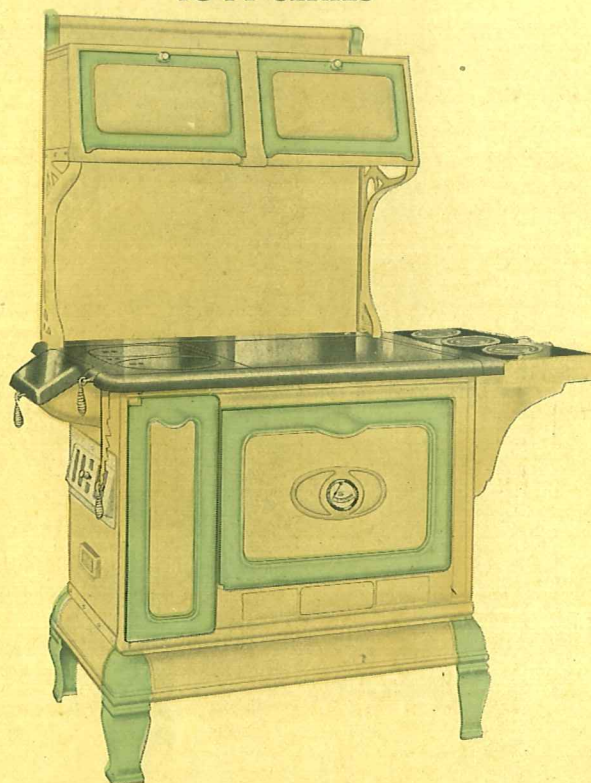
The French top cooking surface is entirely new and most convenient for home use.

### IG-PF SERIES



*With Balustrade and Electric Hot Plate*

### IG-PF SERIES



*With High Closet and Electric Hot Plate*

For Description and Detail See Pages 20 and 21

NATIONAL RANGES HAVE HIGHEST QUALITY AND EFFICIENCY





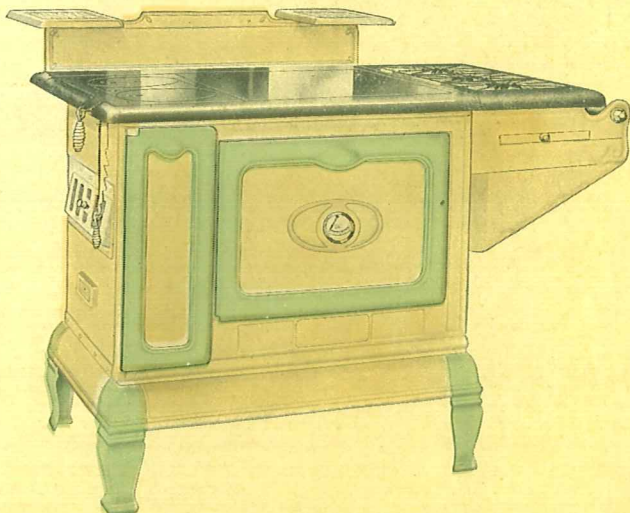
# Excelsior Stove & Manufacturing Company

## MODISH NATIONAL

Steel Range, Ivory-Tan and Green Porcelain Enameled Finish

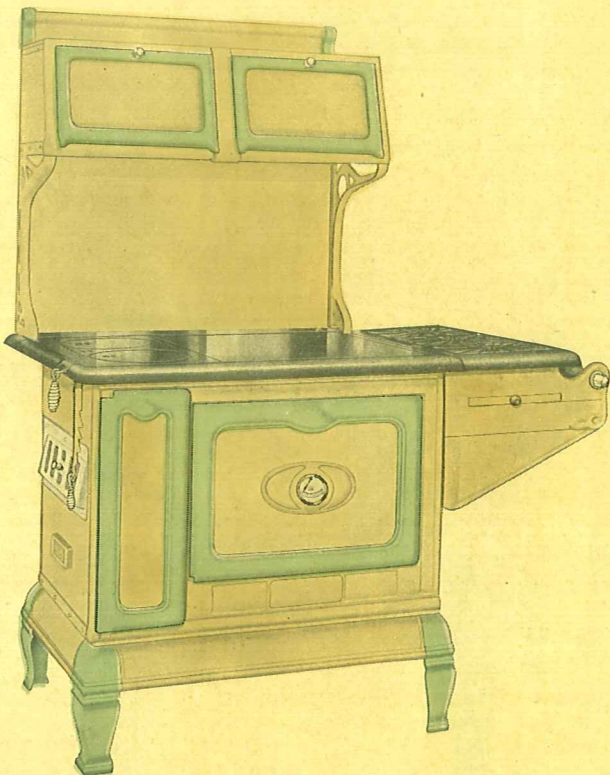
For Hard Coal, Soft Coal, Wood and Gas

### IG-SF SERIES



*With Balustrade and Gas Hot Plate*

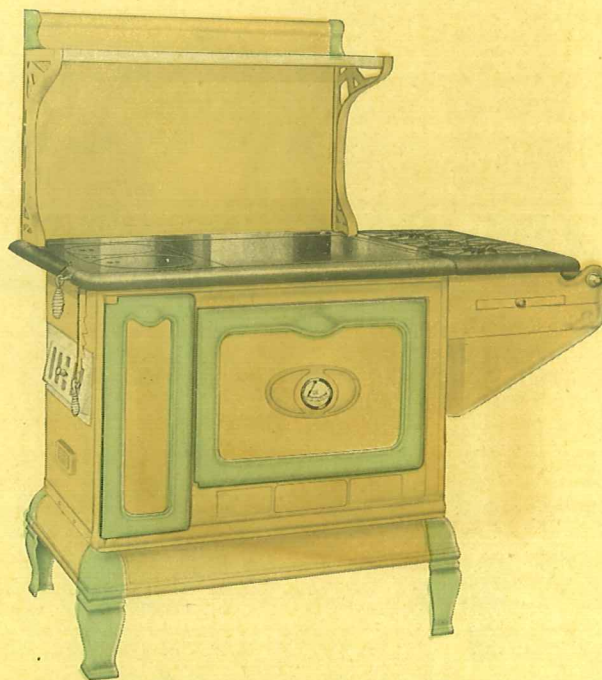
### IG-SF SERIES



*With High Closet and Gas Hot Plate*

*The special design and high quality  
of National Ranges increase the  
effectiveness of your sales  
message.*

### IG-SF SERIES



*With High Shelf and Gas Hot Plate*

Put Nationals to work for you and  
note the results.

For Description and Detail See Pages 20 and 21

NATIONALS ARE HIGH GRADE AND MEDIUM PRICED



# National Stoves, Ranges and Furnaces



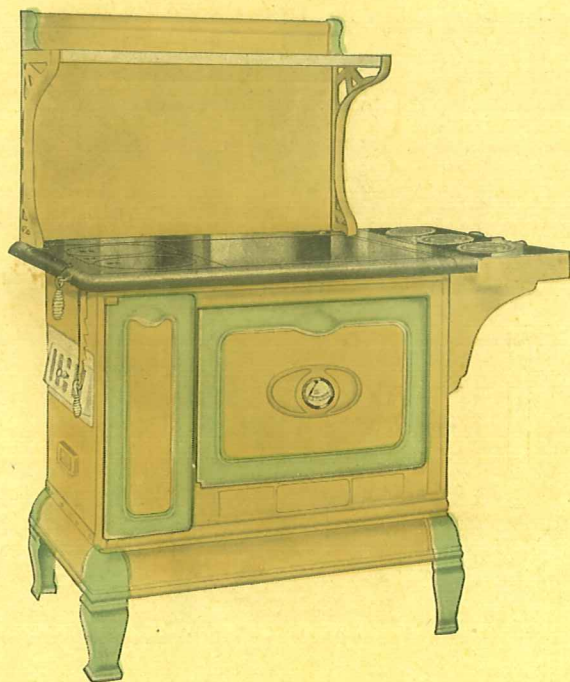
## MODISH NATIONAL

Steel Range, Ivory-Tan and Green Porcelain Enameled Finish

For Hard Coal, Soft Coal, Wood and Electricity

*Nationals attract — stimulate the desire  
and strengthen the resolve  
to buy.*

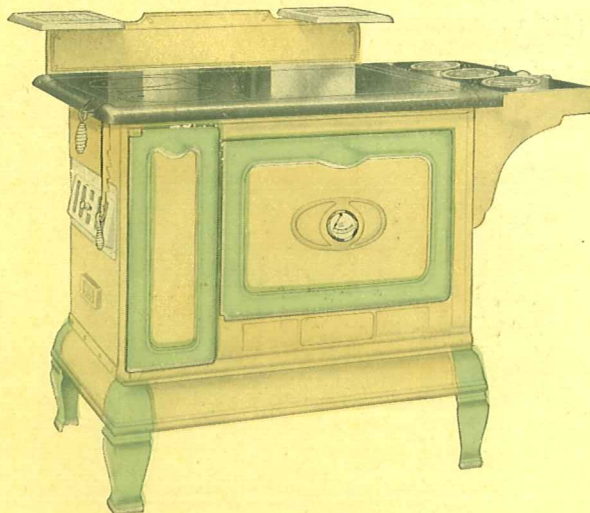
IG-SF SERIES



*With High Shelf and Electric Hot Plate*

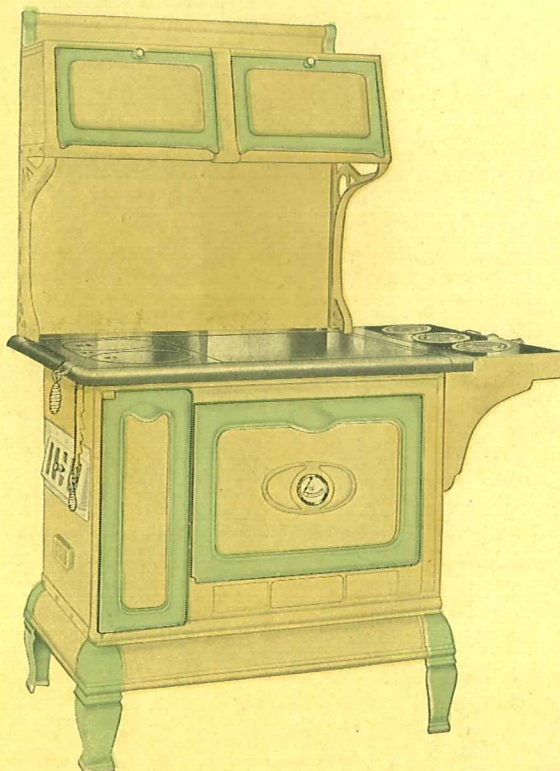
Nationals conform to the requirements of  
the trade and secure satisfied customers.

IG-SF SERIES



*With Balustrade and Electric Hot Plate*

IG-SF SERIES



*With High Closet and Electric Hot Plate*

For Description and Detail See Pages 20 and 21

NATIONAL STOVES AND RANGES ARE BEST BY TEST





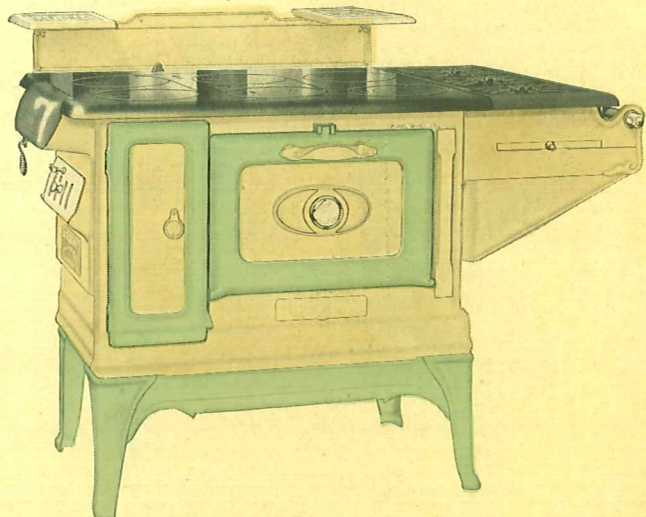
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Cast Range, Ivory-Tan and Green Porcelain Enameled Finish

For Hard Coal, Soft Coal, Wood and Gas

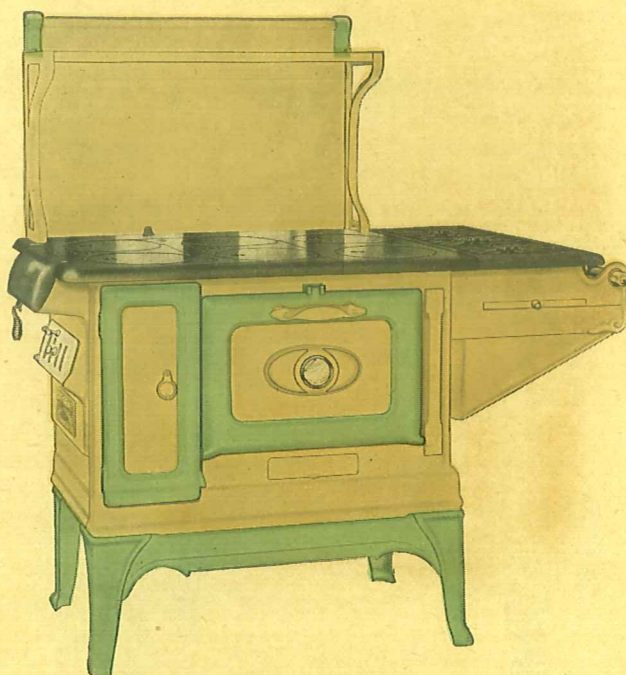
### IG SERIES



*With Balustrade and Gas Hot Plate*

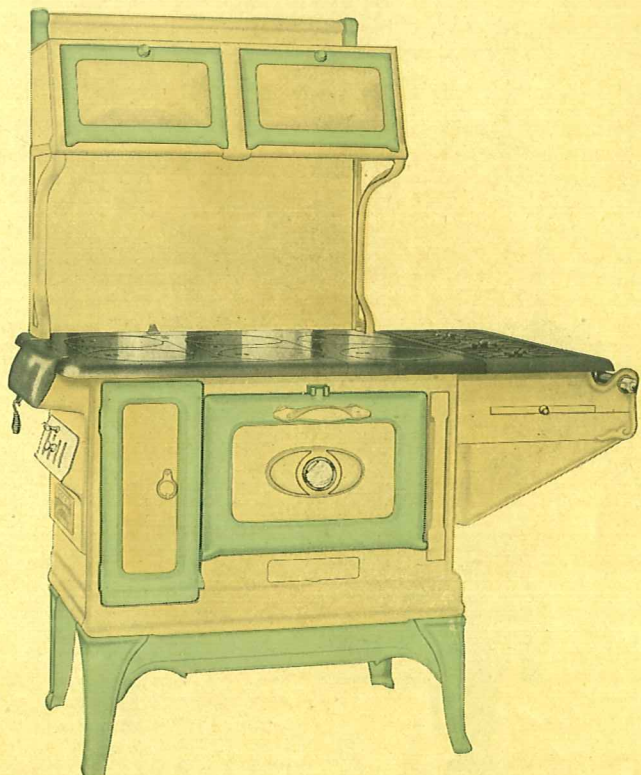
*REGENT Nationals are made from selected grey pig iron of uniform tensil strength.*

### IG SERIES



*With High Shelf and Gas Hot Plate*

### IG SERIES



*With High Closet and Gas Hot Plate*

The National Line contains a size and style to meet the demand for modern requirements.

For Description and Detail See Pages 32 and 33

NATIONAL RANGES COST LESS THAN YOU EXPECT TO PAY



# National Stoves, Ranges and Furnaces



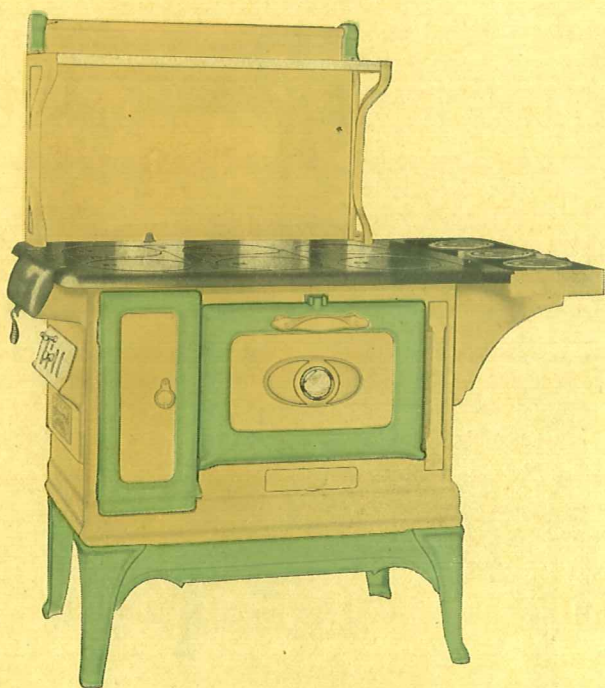
## REGENT NATIONAL

Cast Range, Ivory-Tan and Green Porcelain Enameled Finish

For Hard Coal, Soft Coal, Wood and Electricity

*Features of the latest development are embodied in National Range Production.*

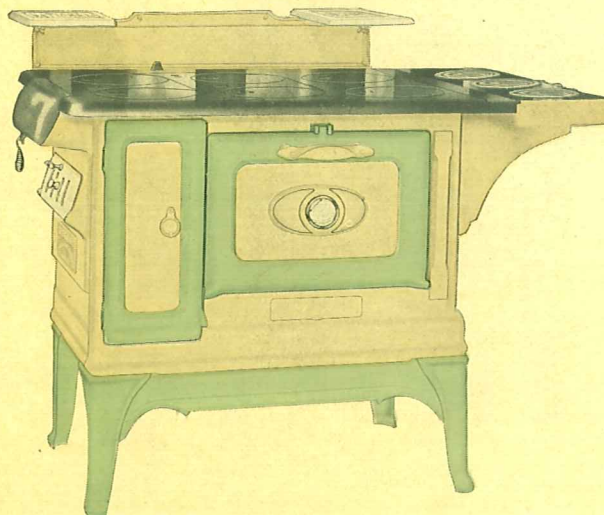
### IG SERIES



*With High Shelf and Electric Hot Plate*

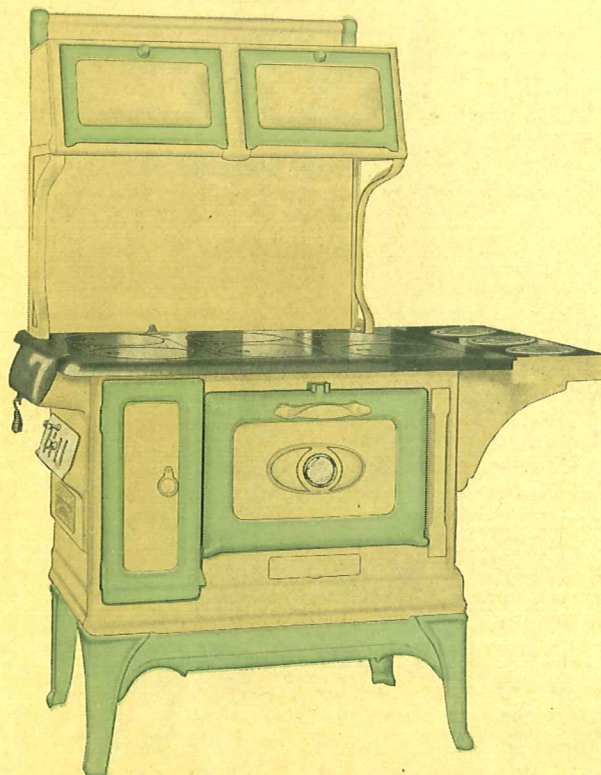
REGENT Nationals are mounted with proper care to allow for necessary contraction and expansion.

### IG SERIES



*With Balustrade and Electric Hot Plate*

### IG SERIES



*With High Closet and Electric Hot Plate*

For Description and Detail See Pages 32 and 33

**NATIONAL RANGES — EVERY ACTION GIVES SATISFACTION**





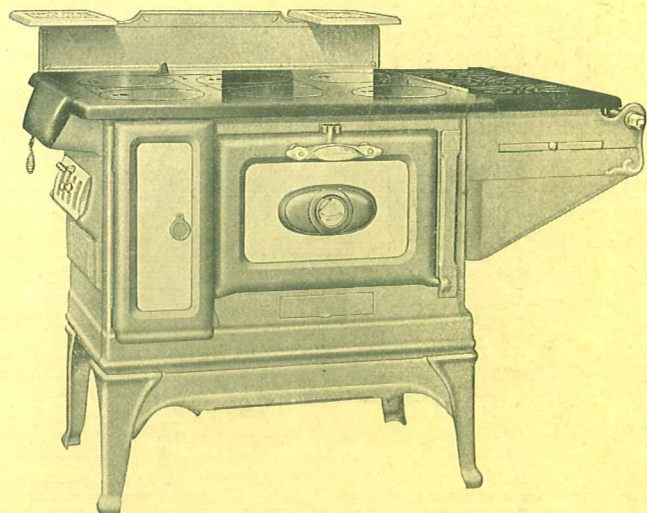
# Excelsior Stove & Manufacturing Company

## REGENT NATIONAL

Cast Range, Grey and White Porcelain Enameled Finish

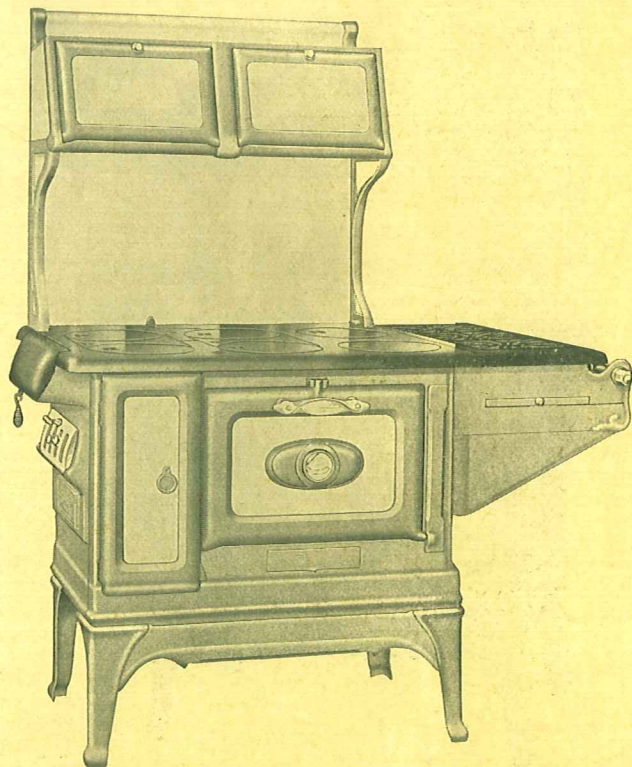
For Hard Coal, Soft Coal, Wood and Gas

### H SERIES



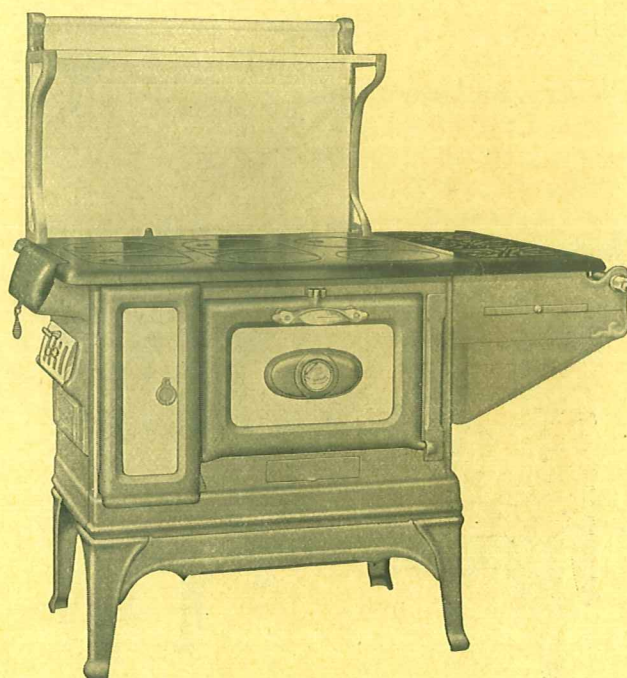
*With Balustrade and Gas Hot Plate*

### H SERIES



*With High Closet and Gas Hot Plate*

### H SERIES



*With High Shelf and Gas Hot Plate*

Nationals win the confidence of the trade  
and will promote your sales.

For Description and Detail See Pages 32 and 33

NATIONALS HAVE QUALITY AND EFFICIENCY



# National Stoves, Ranges and Furnaces



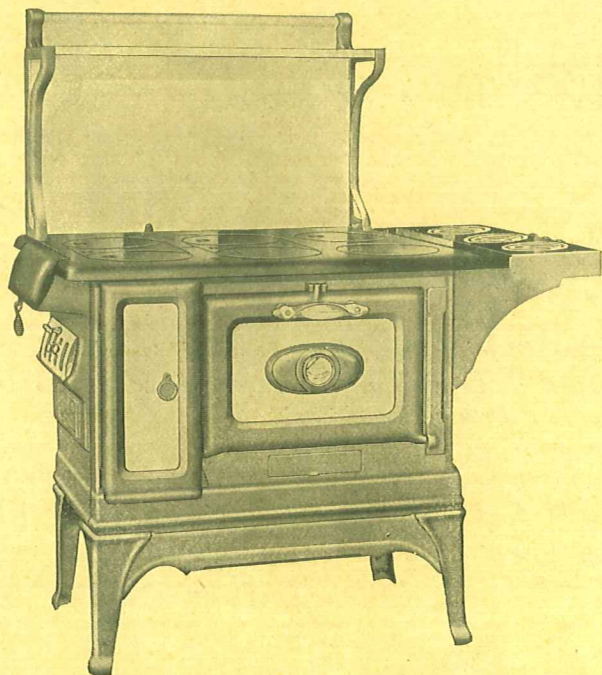
## REGENT NATIONAL

Cast Range, Grey and White Porcelain Enameled Finish

For Hard Coal, Soft Coal, Wood and Electricity

*National Ranges make cooking a pleasure and a contented household.*

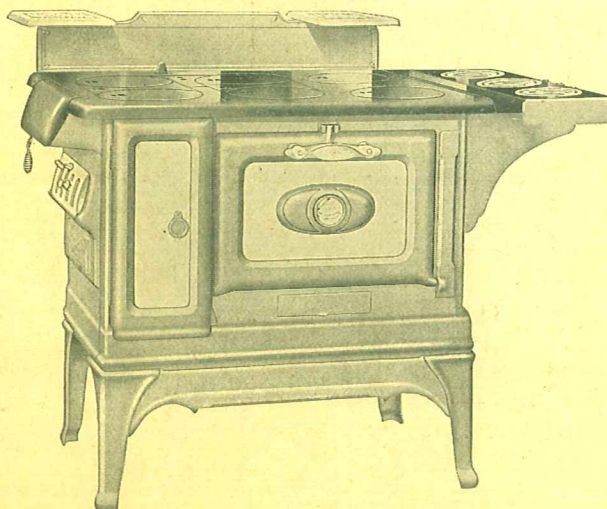
### H SERIES



*With High Shelf and Electric Hot Plate*

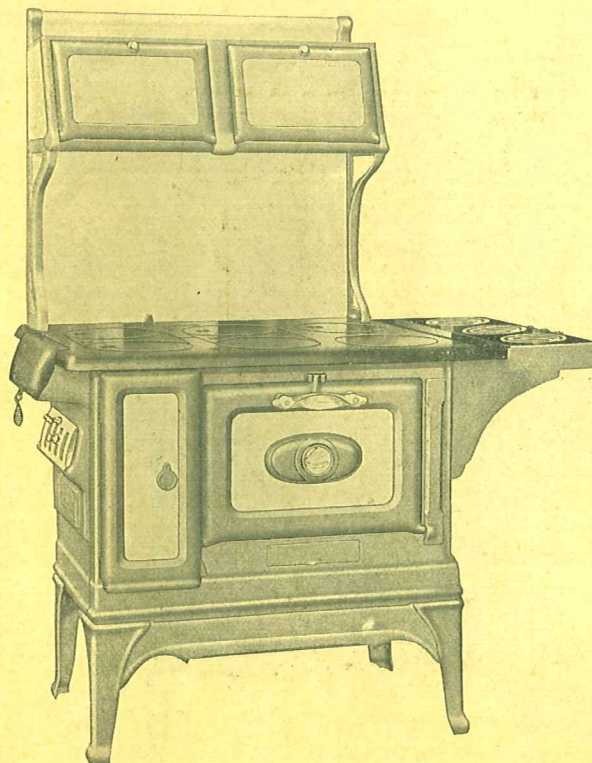
National Ranges are made from the best material possible to obtain, and by most skilled mechanics.

### H SERIES



*With Balustrade and Electric Hot Plate*

### H SERIES



*With High Closet and Electric Hot Plate*

For Description and Detail See Pages 32 and 33

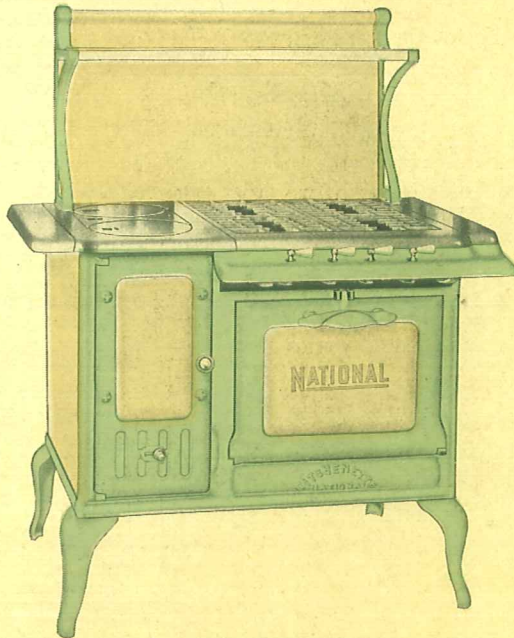
NATIONAL STOVES, RANGES AND FURNACES — A QUALITY PRODUCT





# Excelsior Stove & Manufacturing Company

## ITG-SERIES



No. 116-18A—Square and High Shelf

## KITCHENETTE NATIONAL

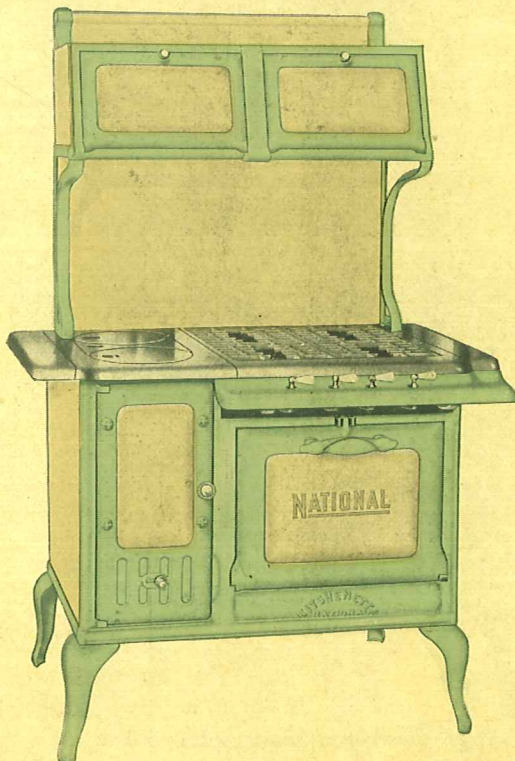
*Concealed Manifold*

Ivory-Tan and Green Porcelain Enameled Finish

Coal, Wood and Gas Combination Range with Polished Top and Rubbish Burner

Number	Holes Coal	Burners Gas	Size Oven	Height Overall	Height Cooking Top	Size Cooking Top	Wt. Lbs.	Price	Code Word
116-18A	2	4	16x18½x12	49 in.	31½ in.	32x21½	290	\$.....	Agloss
116-18	2	4	16x18½x12	49 in.	31½ in.	32x21½	300	.....	Bgloss
Rubbish Gas Burner or Kindler.....							Extra	.....	Burkin
Automatic Gas Lighter.....							Extra	.....	Lighter
Broiler Burner Pan and Rack.....							Extra	.....	Broiler
Closed Gas Top.....							Extra	.....	Closed
4-Pipe W. B. Coil (Fig. 27).....							Extra	.....	Whist
If wanted with Robert Shaw oven heat control, Extra.....							Extra	.....	Shaw

## ITG-SERIES



No. 116-18—Square and High Closet

*KITCHENETTE National is a practical, fully equipped range with all conveniences for the modern kitchen.*

## DESCRIPTION

One giant and three regular star-shaped burners on top, one large loop burner in oven. Blue steel copper bearing back body with ivory-tan enameled ends. Cast oven bottom with 8-inch cover. Porcelain oven lining. Ivory-tan enameled splasher shelf, ash door and oven door panels. Jade green enameled front, ash door, oven door frame, legs, shelf brackets, balustrade corners and manifold cover. Nickered shaker keys and knobs. White enameled burner tray. Furnished with 2 endshelves. Can be furnished with closed top.

KITCHENETTE NATIONALS ARE BIG FUEL-SAVERS



# National Stoves, Ranges and Furnaces



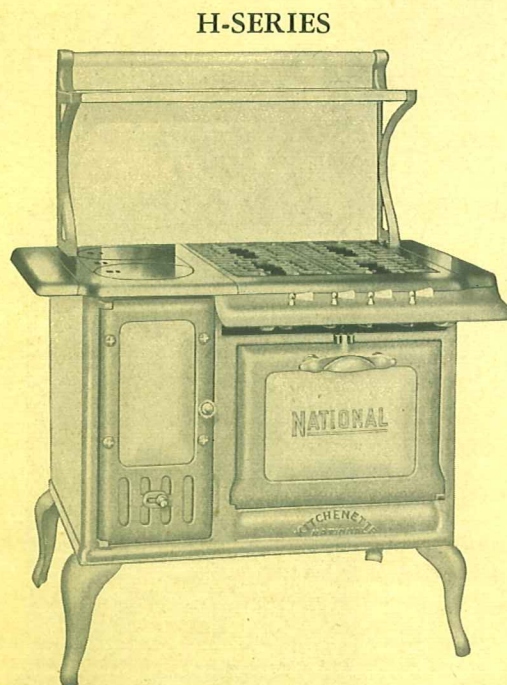
## KITCHENETTE NATIONAL

*Concealed Manifold*

Grey and White Porcelain Enameled Finish

Coal, Wood and Gas Combination Range with Polished Top and Rubbish Burner

Number	Holes Coal	Burners Gas	Size Oven	Height Overall	Height Cooking Top	Size Cooking Top	Wt. Lbs.	Price	Code Word
116-18AH	2	4	16x18½x12	49 in.	31½ in.	32x21½	290	\$.....	Aglossy
116-18H	2	4	16x18½x12	49 in.	31½ in.	32x21½	300	.....	Bglossy
Rubbish Gas Burner or Kindler.....							Extra	.....	Burkin
Automatic Gas Lighter.....							Extra	.....	Lighter
Broiler Burner Pan and Rack.....							Extra	.....	Broiler
Closed Gas Top.....							Extra	.....	Closed
4-Pipe W. B. Coil (Fig. 27).....							Extra	.....	Whist
If wanted with Robert Shaw oven heat control, Extra							.....	.....	Shaw

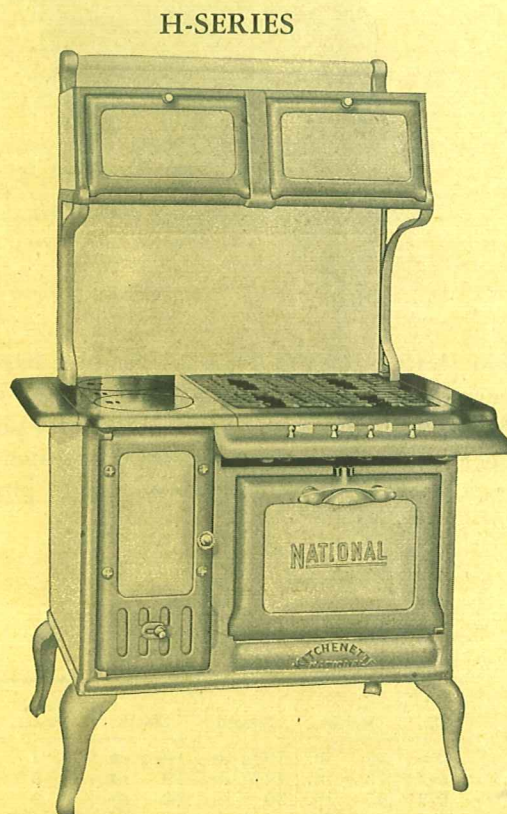


No. 116-18AH Square and High Shelf

*Let KITCHENETTE Nationals demonstrate how they can boost your sales.*

### DESCRIPTION

One giant and three regular star-shaped burners on top, one large loop burner in oven. Blue steel copper bearing back body with white enameled ends. Cast oven bottom with 8-inch cover. Porcelain oven lining. White enameled splasher shelf. Grey enameled front, manifold cover, ash door, oven door and legs. Nickeled shelf brackets, balustrade corners, shaker keys and knobs. White enameled burner tray. Furnished with 2 end shelves. Can be furnished with closed top.



No. 116-18H Square and High Closet

KITCHENETTE NATIONALS ARE QUICK BAKERS





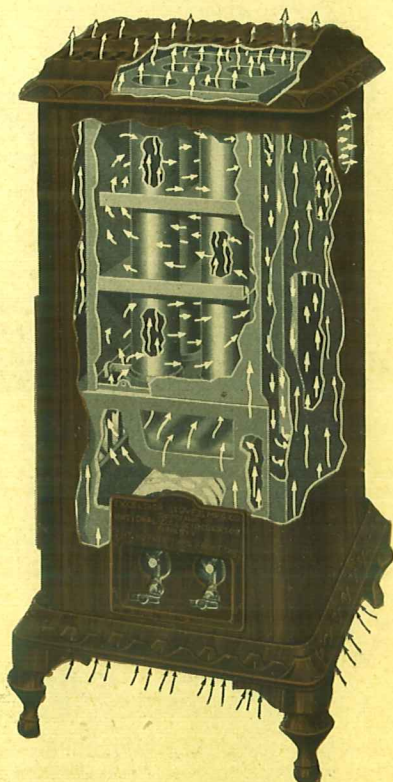
# Excelsior Stove & Manufacturing Company

## NATIONAL GAS HEATER

Porcelain Enameled Walnut Finish

For Manufactured or Natural Gas

NO. 6-3



*Sectional View Showing Heat, Air and Gas Travel*

The short arrows indicate the gas heat passing out of burner box top, around the inner tubes, where it is passed back and forth by a series of baffle plates, entering the down flues at top and traveling downward within 8 inches of bottom and thence up to pipe outlet at top of casing.

*The National Gas Heat Circulator has richness of appearance, combined with quality construction and low price.*

The illustration of the sectional view shows the exact inner construction of the National Gas Heat Circulator.

The long arrows indicate the air drawn from the floor that passes between the inner units and casing through top, also the air drawn from floor over burner box top into the tubes and discharged through fretwork top.

NO. 6-3



*Porcelain Enameled Walnut Finish*

### DETAIL

No.	Height	Length	Depth	Baffle Plates	B. T. U. Per Hour	No. of Burners	No. Air Tubes	Dia. of Air Tubes	Length Air Tubes	Weight	Code Word
3-3	36 in.	19 1/4 in.	16 3/4 in.	3	30,000	1	3	3 in.	16 in.	180 lbs.	Deft
6-3	42 1/2 in.	24 1/2 in.	19 in.	3	40,000	2	6	3 in.	18 in.	231 lbs.	Defty
9-3	45 in.	30 in.	19 in.	3	80,000	2	9	3 in.	20 in.	280 lbs.	Defy

Description Page 15

NATIONAL HEATERS ARE MOST POWERFUL



# National Stoves, Ranges and Furnaces



## NATIONAL GAS HEATER

### *Warm Air Circulator with Concealed Manifold*

The maximum and minimum gas consumption in cubic feet per hour does not mean anything. This is governed by the size orifice used and gas pressure. The important feature on a gas circulator is how many B. T. U.'s will the heater deliver from the smallest amount of gas used as fuel. The NATIONAL gas circulator will meet this requirement and is a most powerful economical heat producer.

#### DESCRIPTION

**Combustion Chamber**—Is equipped with three, six and nine three-inch extra heavy Cop-R-Loy tubes extending vertically through combustion chamber and connected at top and bottom with gas tight cast-iron plates. Extra heavy Cop-R-Loy side walls form the body of the combustion chamber. The Cop-R-Loy baffle plates are so attached to inside walls of combustion chamber to force the heat against all parts of the vertical tubes through which purified air passes into the room.

**Air Circulation**—The cold air is drawn from the floor, passing over and against the cast-iron burner box, then through the large Cop-R-Loy tubes, around which the heat is passed back and forth by a series of baffle plates. All gas fumes pass into the combustion chamber and circulate over and around the tubes and enter the down flues on the right and left side of combustion chamber, at the extreme top back, thence travel downward within 8 inches of the bottom of heater and return upward through center back flue to the 4-inch pipe outlet. This not only triples the circulation and efficiency of the heater, but also holds the flue losses down to a minimum. This construction is an improvement over other makes.

**Burners**—Two large properly constructed one-piece cast burners, cored and drilled, can be operated separately. Manifold is concealed and more sanitary than the exposed style. Gas cocks are equipped with special needle point adjuster permitting the operator to adjust burners to all gas pressures.

**Casing**—Is made in four sections of extra heavy WHEELING vitreous enameling steel, beautifully grained in Burl walnut, will harmonize with all room furnishings. Designed with oval corners, which permit a free unobstructed flow of air and are most sanitary and easily kept clean.

**Note:**—When ordering specify if wanted for manufactured or natural gas.

NATIONAL QUALITY AND EFFICIENCY





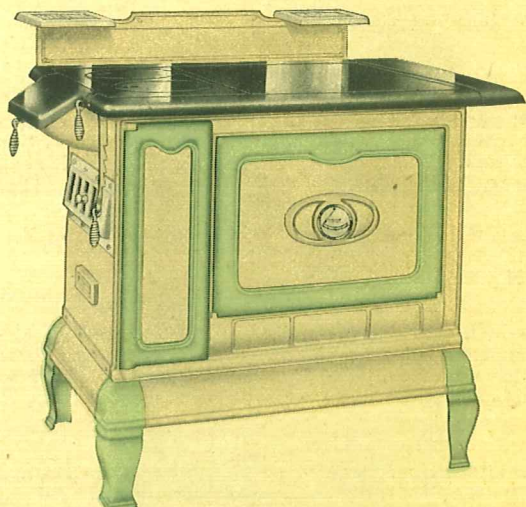
# Excelsior Stove & Manufacturing Company

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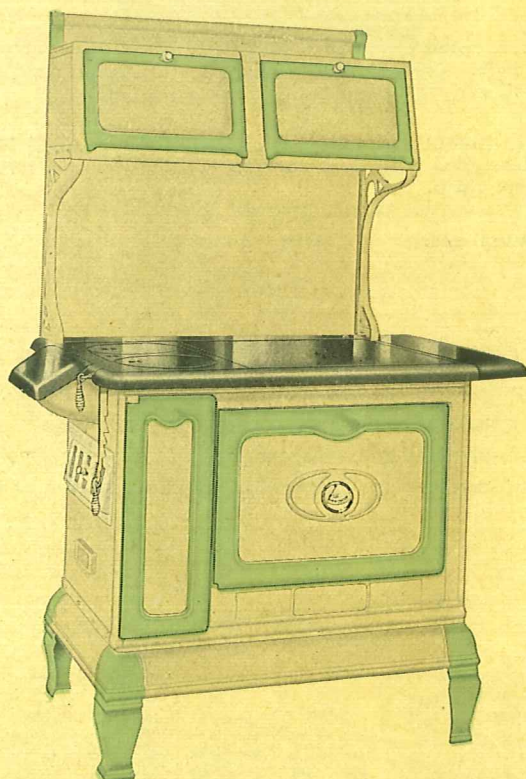
For Hard Coal, Soft Coal and Wood

### IG-PF SERIES



*Square with Balustrade*

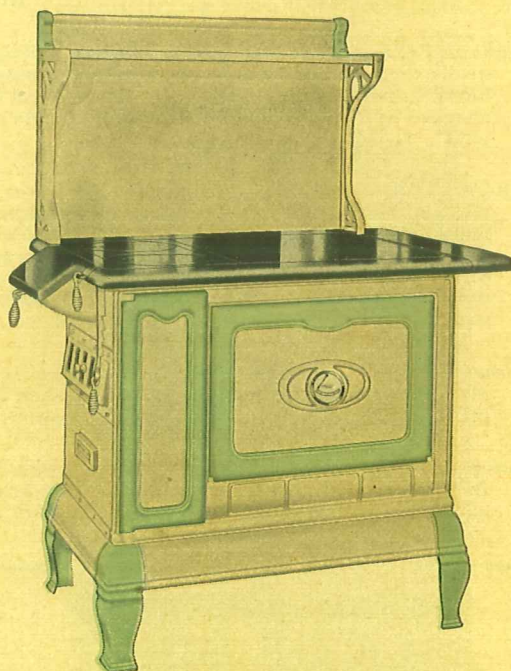
### IG-PF SERIES



*Square with High Closet*

*A new modern full porcelain range,  
enameled both inside and  
outside.*

### IG-PF SERIES



*Square with High Shelf*

A popular priced enameled, rust-resisting range. Will not corrode; most sanitary and easy to keep clean.

For Description and Detail See Pages 20 and 21

FITTED WITH OUR WONDERFUL PORCUPINE FIREBACK  
GUARANTEED FOR 25 YEARS



# National Stoves, Ranges and Furnaces



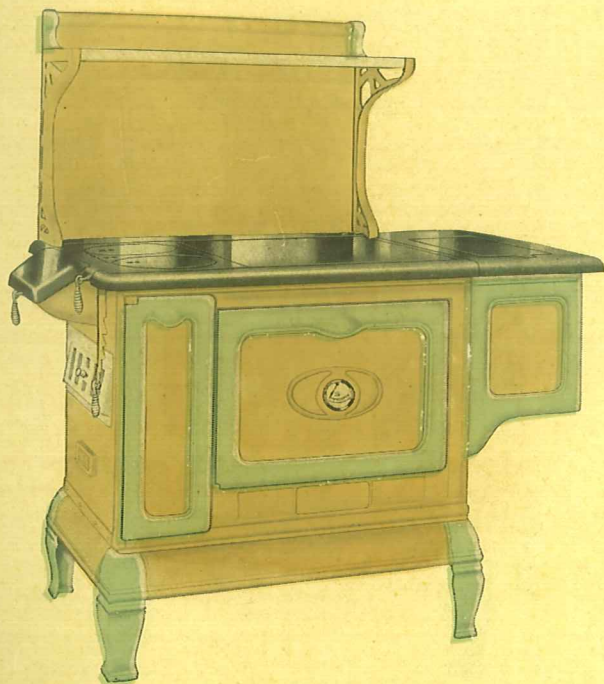
## MODISH NATIONAL

Steel Range, Ivory-Tan and Green Porcelain Enameled Finish

For Hard Coal, Soft Coal and Wood

*Perfect in the Richness of Colors,  
Beauty and Operation.*

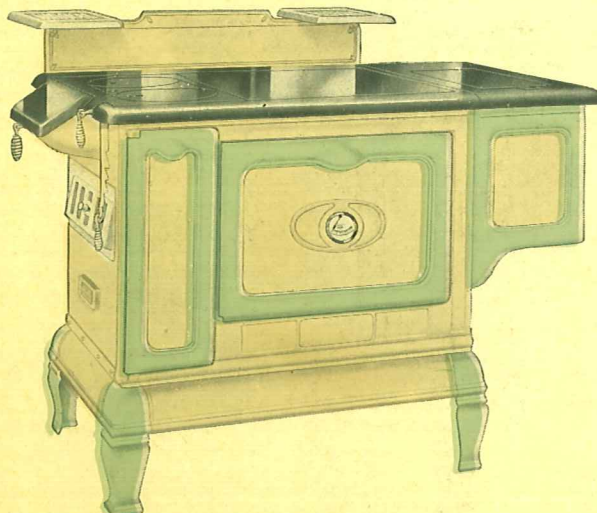
IG-PF SERIES



*With Reservoir and High Shelf*

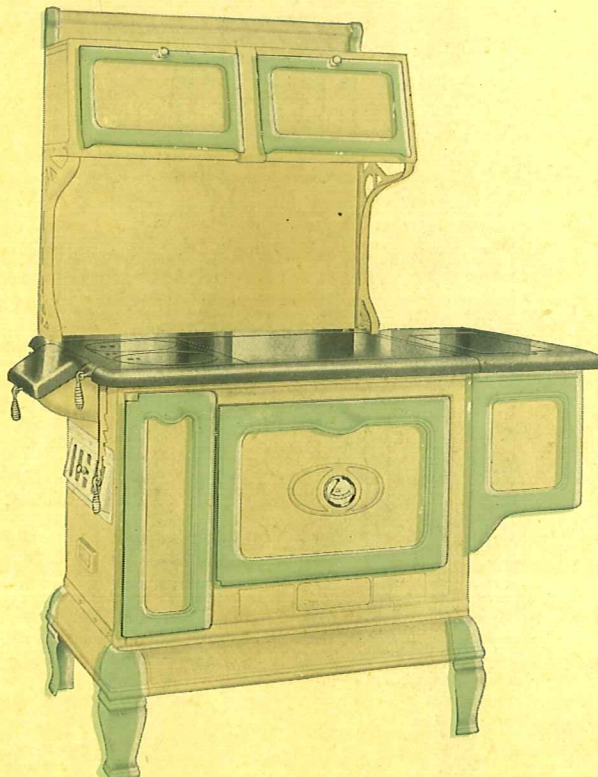
Combines design of simplicity with  
sturdy construction for hard service.

IG-PF SERIES



*With Reservoir and Balustrade*

IG-PF SERIES



*With Reservoir and High Closet*

For Description and Detail See Pages 20 and 21

NATIONAL RANGES ARE QUICK BAKERS AND FUEL-SAVERS





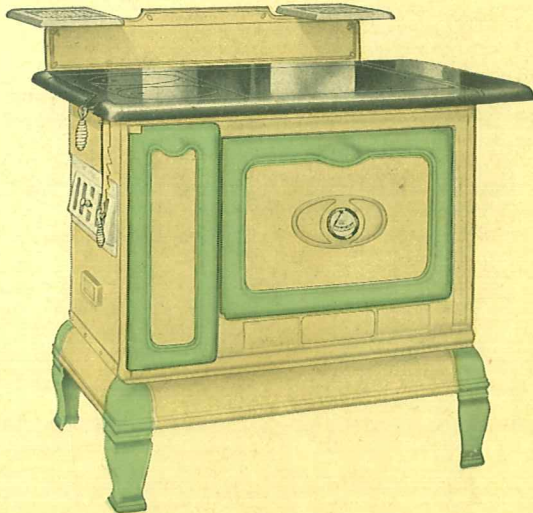
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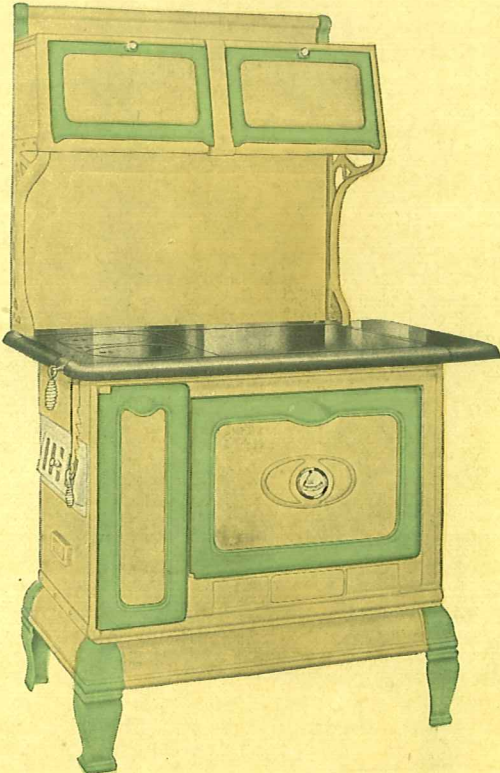
For Hard Coal, Soft Coal and Wood

### IG-SF SERIES



*Square with Balustrade*

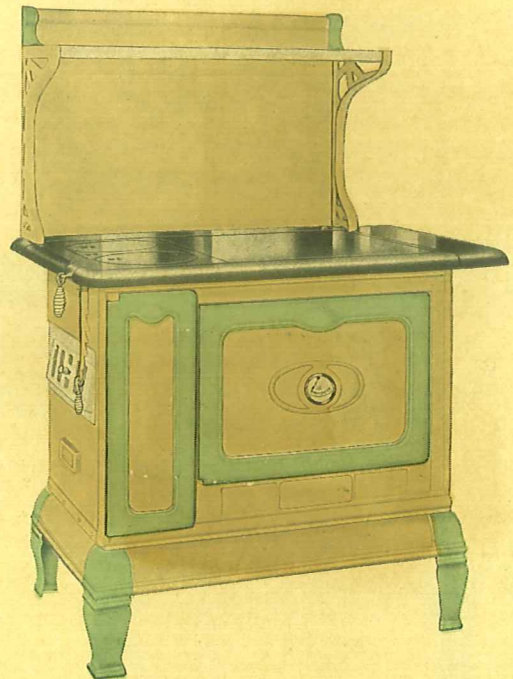
### IG-SF SERIES



*Square with High Closet*

*MODISH Nationals have that individuality to please the most fastidious persons.*

### IG-SF SERIES



*Square with High Shelf*

The enameling steel used in MODISH Nationals is a most dependable base for perfect enameling results.

For Description and Detail See Pages 20 and 21

NATIONAL RANGES ARE EVEN BAKERS



# National Stoves, Ranges and Furnaces



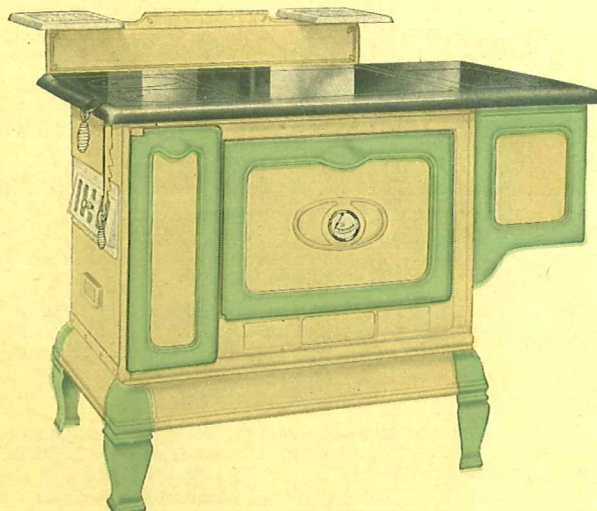
## MODISH NATIONAL

Steel Range, Ivory-Tan and Green Porcelain Enameled Finish

For Hard Coal, Soft Coal and Wood

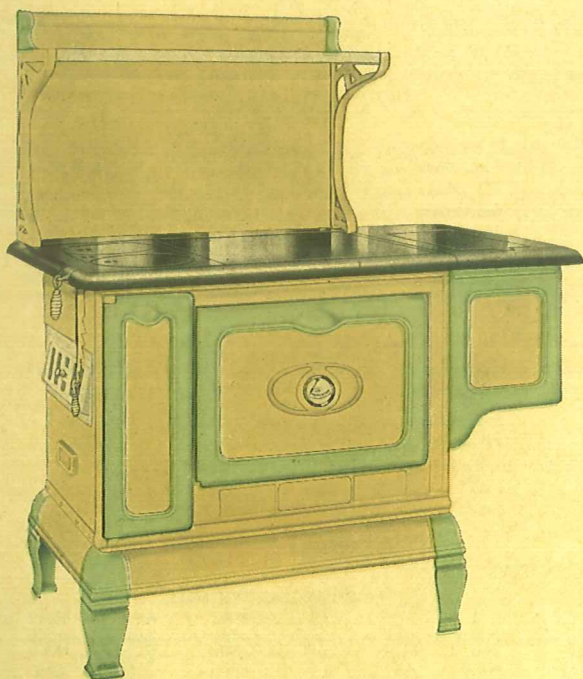
*MODISH Nationals are profit makers  
and reputation builders for  
dealers.*

### IG-SF SERIES



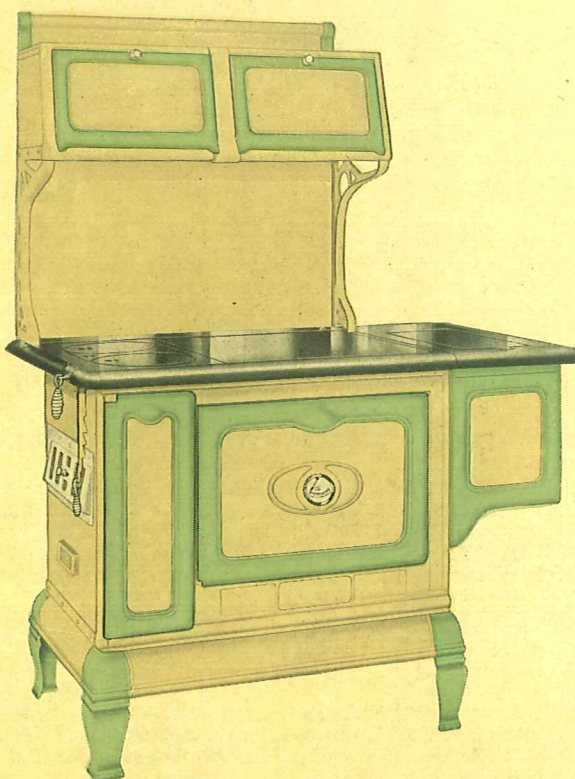
*With Reservoir and Balustrade*

### IG-SF SERIES



*With Reservoir and High Shelf*

### IG-SF SERIES



*With Reservoir and High Closet*

National line has a style and size to  
meet all requirements.

For Description and Detail See Pages 20 and 21

NATIONAL STOVES AND FURNACES ALWAYS SATISFY





# Excelsior Stove & Manufacturing Company

## MODISH NATIONAL

Porcelain Enameled Steel Range with Polished Top

### DETAIL

*With Pouch Feed*

Number	Holes	Oven	Top Surface		□ and Bal.	□ and H.S.	SHIPPING WEIGHT			
			Square	Reservoir			□ and H.C.	Res. and Bal.	Res. and H.S.	Res. and H.C.
8218IG-PF	Two 8-in.	18x18x12 1/2	25x37	25x43 1/2	360	375	425	410	425	475
8418IG-PF	Four 8-in.	18x18x12 1/2	25x37	25x43 1/2	360	375	425	410	425	475
8618IG-PF	Six 8-in.	18x18x12 1/2	25x37	25x43 1/2	360	375	425	410	425	475

Weight of Gas Hot Plate . . . . . 60 lbs.  
Weight of Electric Hot Plate . . . . . 25 lbs.

### PRICE

Number	Square and Balustrade	Code Word	Square and High Shelf	Code Word	Square and High Closet	Code Word
8218IG-PF	\$ . . . . .	Abrazy	\$ . . . . .	Braxy	\$ . . . . .	Brat
8418IG-PF	. . . . .	Abutton	. . . . .	Button	. . . . .	Bypath
8618IG-PF	. . . . .	Abuttery	. . . . .	Buttery	. . . . .	Byword

### PRICE

Number	Res. and Balustrade	Code Word	Res. and High Shelf	Code Word	Res. and High Closet	Code Word
8218IG-PF	\$ . . . . .	Abrief	\$ . . . . .	Brief	\$ . . . . .	Boxer
8418IG-PF	. . . . .	Abuxum	. . . . .	Buxum	. . . . .	Byped
8618IG-PF	. . . . .	Abuzz	. . . . .	Buzz	. . . . .	Bysine

Fitted with Gas Hot Plate, Extra, \$ . . . . .

Fitted with Electric Hot Plate, Extra, \$ . . . . .

*With Straight Front*

Number	Holes	Oven	Top Surface		□ and Bal.	□ and H.S.	SHIPPING WEIGHT			
			Square	Reservoir			□ and H.C.	Res. and Bal.	Res. and H.S.	Res. and H.C.
2818IG-SF	Two 8-in.	18x18x12 1/2	25x37	25x43 1/2	360	375	425	410	425	475
4818IG-SF	Four 8-in.	18x18x12 1/2	25x37	25x43 1/2	360	375	425	410	425	475
6818IG-SF	Six 8-in.	18x18x12 1/2	25x37	25x43 1/2	360	375	425	410	425	475

### PRICE

Number	Square and Balustrade	Code Word	Square and High Shelf	Code Word	Square and High Closet	Code Word
2818IG-SF	\$ . . . . .	Abraze	\$ . . . . .	Braze	\$ . . . . .	Brave
4818IG-SF	. . . . .	Abuttock	. . . . .	Buttock	. . . . .	Byplay
6818IG-SF	. . . . .	Abuttrass	. . . . .	Buttrass	. . . . .	Byrum

### PRICE

Number	Res. and Balustrade	Code Word	Res. and High Shelf	Code Word	Res. and High Closet	Code Word
2818IG-SF	\$ . . . . .	Abriery	\$ . . . . .	Briery	\$ . . . . .	Boyer
4818IG-SF	. . . . .	Abuyer	. . . . .	Buyer	. . . . .	Bysold
6818IG-SF	. . . . .	Abylaw	. . . . .	Bylaw	. . . . .	Bysay

Fitted with Gas Hot Plate . . . . . Extra

Fitted with Electric Hot Plate . . . . . Extra

\$ . . . . .

Worka

Worker

NATIONAL RANGES ARE QUICK BAKERS AND FUEL-SAVERS



# National Stoves, Ranges and Furnaces



## MODISH NATIONAL

### Porcelain-Enameled Steel Range

For Hard Coal, Soft Coal, Gas, Wood or Electricity  
with Polished Top

*Construction*—MODISH NATIONAL is an entirely new and modern full porcelain range, enameled inside and outside, furnished with balustrade, high shelf or high closet, with or without reservoir, straight or pouch feed. Mounted on sanitary removable base. A popular priced enameled rust-resisting range, will not corrode, most sanitary and easy to keep clean. The top is cut in four sections and fitted with key plate raising attachment for broiling. Range will be furnished regular with two eight-inch covers over fire box and French Top over oven (No. 8218PF or 2818SF). Can also be equipped with 4 8-inch covers and 1 solid key plate (No. 8418PF or 4818SF) or 6 8-inch covers (No. 8618PF or 6818SF) as desired. A substantial top rest is used to insure an even top at all times. Copper contact reservoir is so arranged to heat water at the same time oven is used for baking without the use of extra fuel. Furnished with sheet steel ash pan and suitable ash guard to conduct all ashes to the pan. Special construction insures sanitary conditions, when shaking grate or removing ashes.

*Oven*—Made of Cop-R-Loy Steel enameled inside and outside; and fitted with special rib joint. Oven bottom is properly reinforced with cast channel iron bars to prevent warping. Oven is large, high and roomy, provided with non-breakable wire oven rack. The oven top is covered with asbestos sheathing and reinforced with cast-iron fretwork to protect the top of oven from direct contact of the fire.

*Fire Box*—Extra heavy cast linings with fire box extension for long lengths wood. National Duplex grate removable through top without interfering with water connection (when so equipped). Fitted with the wonderful National Porcupine fireback (guaranteed for twenty-five years).

*Dampers*—Slide damper in top to control heat for oven and used to heat water in reservoir. Slide damper in front end of range used to control fire in fire box.

*Reservoir*—We furnish a copper reservoir 9 gallons capacity thoroughly tinned inside—fitted close against the body of range and by contact heats water continually. The reservoir is portable, easily attached to square top range. A special arrangement permits the reservoir to be permanently bolted to range if desired. National contact reservoirs do not interfere with baking.

*Thermometer*—Furnished in oven door in all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

*Water Heater*—Arranged for cast water back, cast water front or front water coil. When ordering be sure to specify style wanted.

*High Shelf*—Made of steel in all ivory-tan porcelain enamel finish with green porcelain enameled balustrade corners.

*High Closet*—Made of steel in all ivory-tan porcelain enameled finish with green porcelain enameled doors and balustrade corners.

*Porcelain Trimmings*—Green finish 4 legs, ash door, oven door, reservoir frame, high closet doors, and balustrade corners. Ivory tan finish 4 base strips, front of range, ash door panel, oven door panel, reservoir panel, left end of range, right end of range, high closet splashers, door panels, brackets, balustrade and ends.

*National Gas Hot Plate*—Attached to MODISH NATIONAL and is equipped with three extra large cast cored drilled star burners, with loose porcelain spider sections. All burners may be removed for cleaning. Lever valves indicate the volume of gas supplied. Polished top 14x28 1/2 inches. Front bracket porcelain enamel.

*National Electric Hot Plate*—Attached to MODISH NATIONAL and is equipped with three 550-watt units with one heat indicating rotary switch for each burner and draws 5 amperes each for 110 volts. Top is sheet steel finished in black enamel, size 11x27 inches. Front bracket porcelain enamel. Furnished with standard length insulated cord and two-piece plug with hot plate.

NATIONALS ARE MOST DEPENDABLE





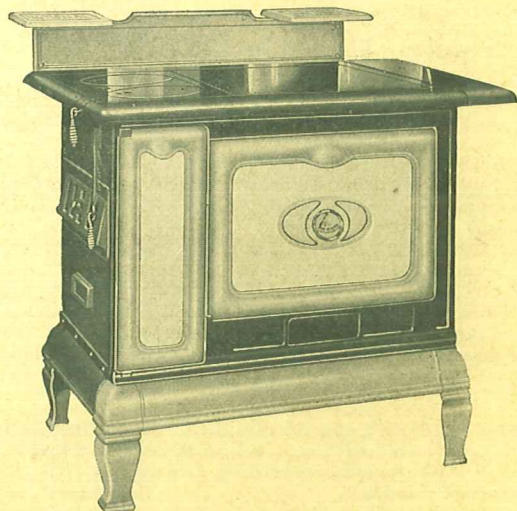
# Excelsior Stove & Manufacturing Company

## MODISH NATIONAL

Steel Range, Semi-Porcelain Enameled Finish

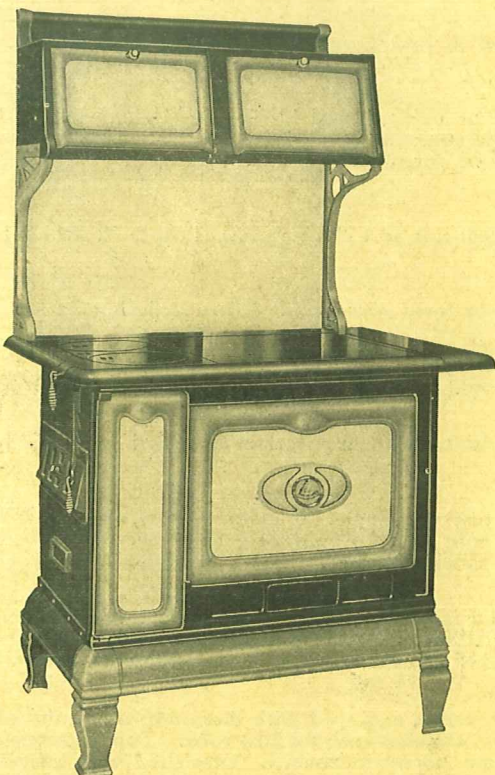
For Hard Coal, Soft Coal and Wood

### S-SF SERIES



*Square with Balustrade*

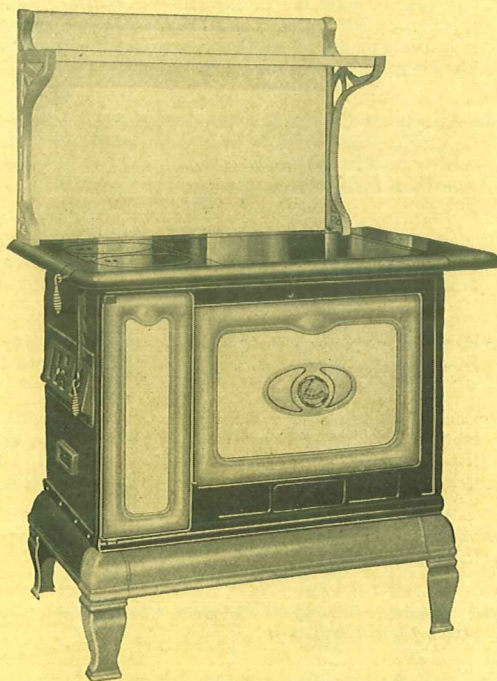
### S-SF SERIES



*Square with High Closet*

*Distinction  
Originality  
Highest Quality  
Medium Priced*

### S-SF SERIES



*Square with High Shelf*

Thoroughly well built; costs less than  
you expect to pay.

For Description and Detail See Pages 26 and 27

FITTED WITH OUR WONDERFUL PORCUPINE FIREBACK  
GUARANTEED FOR 25 YEARS



# National Stoves, Ranges and Furnaces



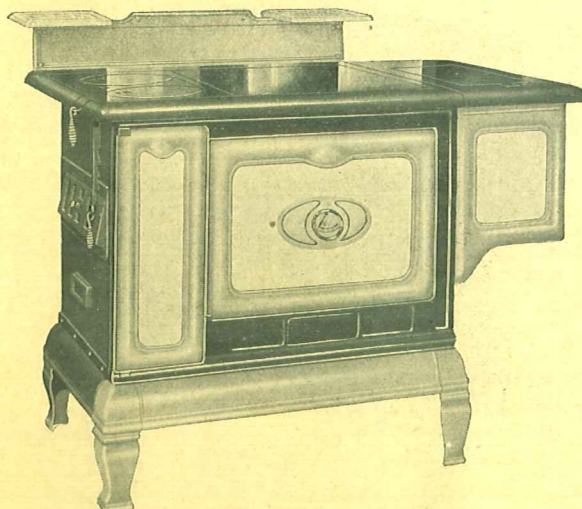
## MODISH NATIONAL

Steel Range, Semi-Porcelain Enameled Finish

For Hard Coal, Soft Coal and Wood

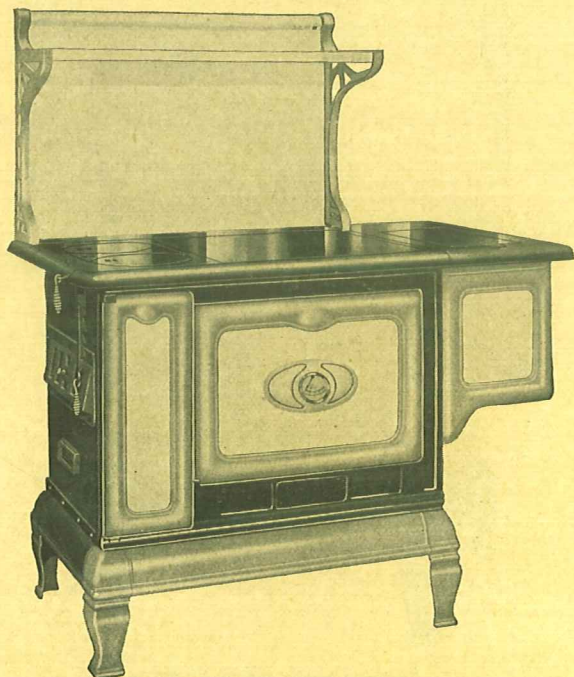
### S-SF SERIES

*A range that combines greater luxury and performance—with exceptional operating economy and lasting qualities.*



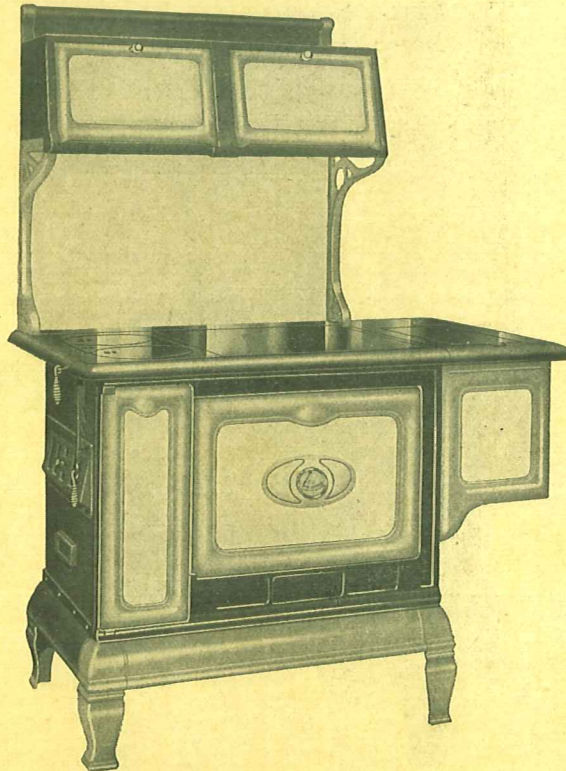
*With Reservoir and Balustrade*

### S-SF SERIES



*With Reservoir and High Shelf*

### S-SF SERIES



*With Reservoir and High Closet*

The thoroughness with which every National Range is constructed assures extra long life.

For Description and Detail See Pages 26 and 27

THE FIREBACK IN THIS RANGE LASTS FOREVER





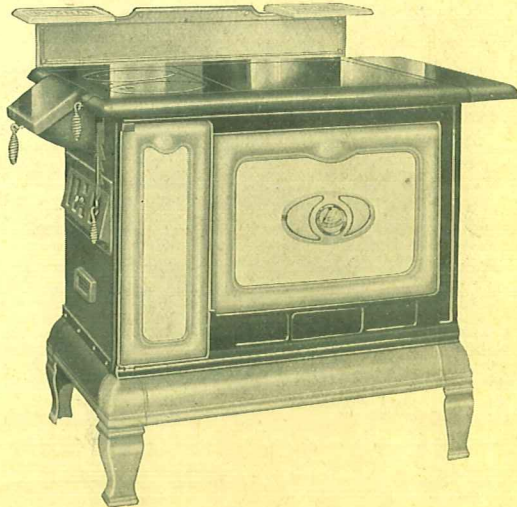
# Excelsior Stove & Manufacturing Company

## MODISH NATIONAL

Steel Range, Semi-Porcelain Enameled Finish

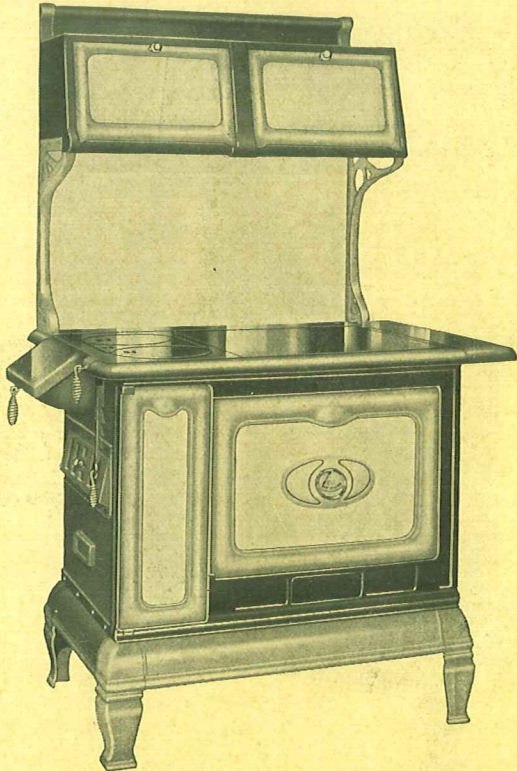
For Hard Coal, Soft Coal and Wood

### S-PF SERIES



*Square with Balustrade*

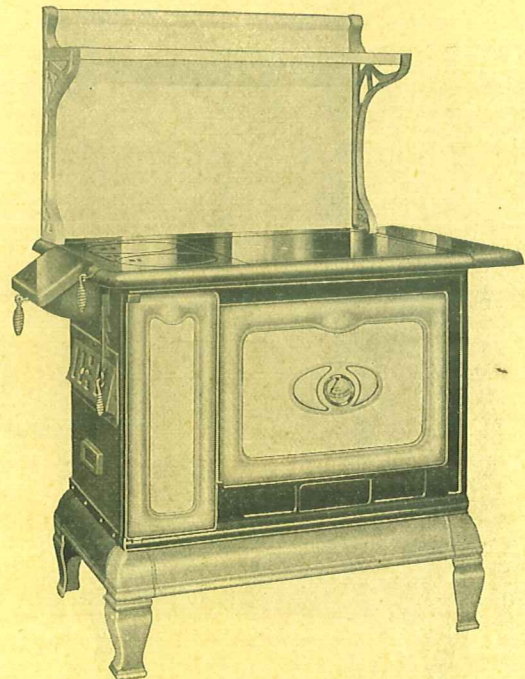
### S-PF SERIES



*Square with High Closet*

*The Porcupine fireback used in National cooking stoves and ranges is guaranteed for 25 years.*

### S-PF SERIES



*Square with High Shelf*

The National Line displayed on your floor will get results.

For Description and Detail See Pages 26 and 27

NATIONAL RANGES AND COOKS ARE EVEN BAKERS



# National Stoves, Ranges and Furnaces



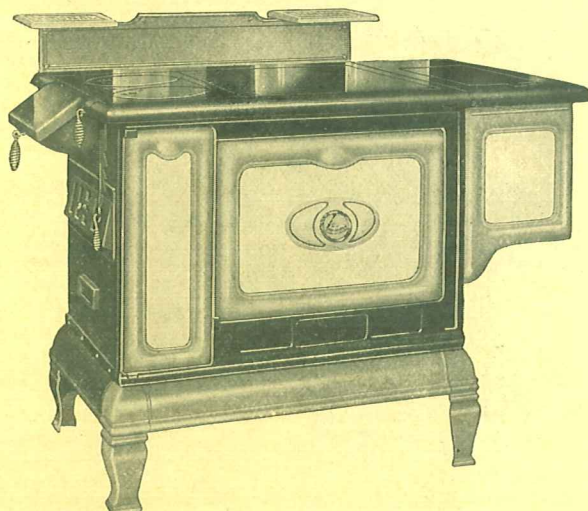
## MODISH NATIONAL

Steel Range, Semi-Porcelain Enameled Finish

For Hard Coal, Soft Coal and Wood

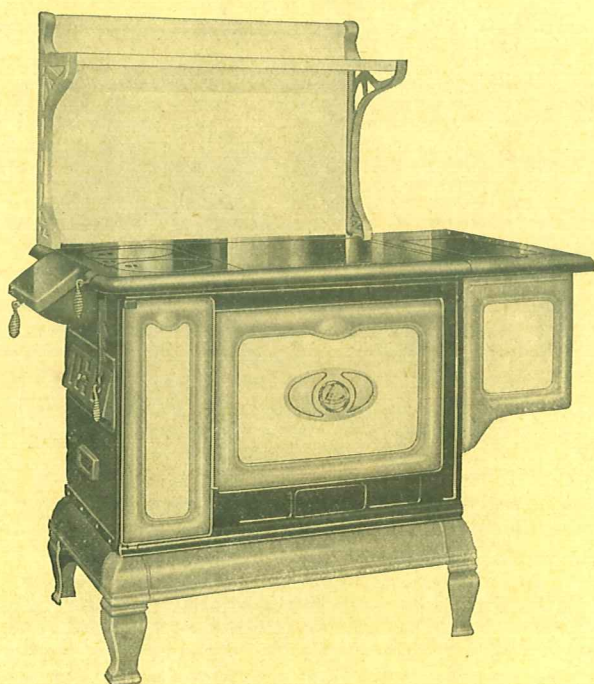
### S-PF SERIES

*The National line of modernized patterns, offers a large variety for selection.*



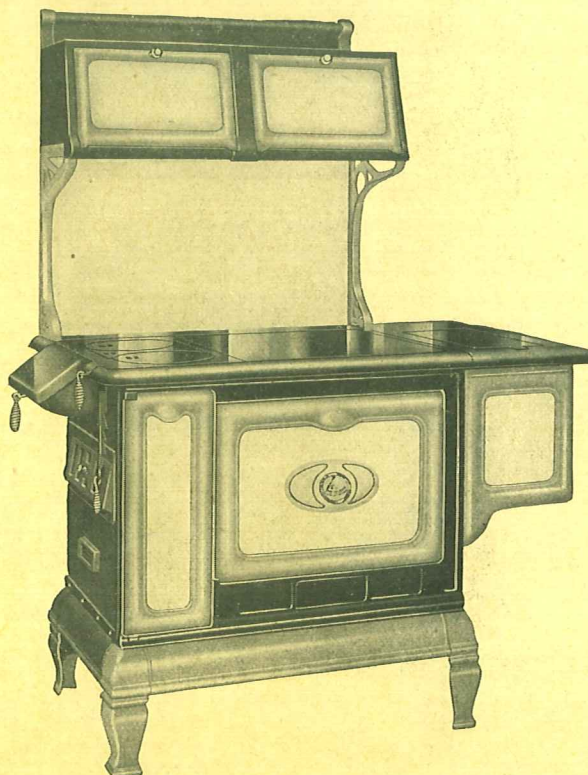
*With Reservoir and Balustrade*

### S-PF SERIES



*With Reservoir and High Shelf*

### S-PF SERIES



*With Reservoir and High Closet*

National Ranges add attractiveness to their surroundings.

For Description and Detail See Pages 26 and 27

FITTED WITH OUR WONDERFUL PORCUPINE FIREBACK





# Excelsior Stove & Manufacturing Company

## MODISH NATIONAL

Semi-Porcelain Enameled Steel Range with Polished Top

### DETAIL

*With Pouch Feed*

Number	Holes	Oven	Top Surface		□ and Bal.	□ and H.S.	SHIPPING WEIGHT			
			Square	Reservoir			□ and H.C.	Res. and Bal.	Res. and H.S.	Res. and H.C.
8218S-PF	Two 8-in.	18x18x12 1/2	25x37	25x43 1/2	355	375	425	405	425	475
8418S-PF	Four 8-in.	18x18x12 1/2	25x37	25x43 1/2	355	375	425	405	425	475
8618S-PF	Six 8-in.	18x18x12 1/2	25x37	25x43 1/2	355	375	425	405	425	475

### PRICE

Number	Square and Balustrade	Code Word	Square and High Shelf	Code Word	Square and High Closet	Code Word
8218S-PF	\$.....	Abough	\$.....	Bough	\$.....	Brake
8418S-PF	.....	Abounce	.....	Bounce	.....	Brangle
8618S-PF	.....	Abourne	.....	Bourne	.....	Breach

### PRICE

Number	Res. and Balustrade	Code Word	Res. and High Shelf	Code Word	Res. and High Closet	Code Word
8218S-PF	\$.....	About	\$.....	Bout	\$.....	Breast
8418S-PF	.....	Abowler	.....	Bowler	.....	Breeze
8618S-PF	.....	Abrag	.....	Brag	.....	Brevier

*With Straight Front*

Number	Holes	Oven	Top Surface		□ and Bal.	□ and H.S.	SHIPPING WEIGHT			
			Square	Reservoir			□ and H.C.	Res. and Bal.	Res. and H.S.	Res. and H.C.
2818S-SF	Two 8-in.	18x18x12 1/2	25x37	25x43 1/2	355	375	425	405	425	475
4818S-SF	Four 8-in.	18x18x12 1/2	25x37	25x43 1/2	355	375	425	405	425	475
6818S-SF	Six 8-in.	18x18x12 1/2	25x37	25x43 1/2	355	375	425	405	425	475

### PRICE

Number	Square and Balustrade	Code Word	Square and High Shelf	Code Word	Square and High Closet	Code Word
2818S-SF	\$.....	Abougie	\$.....	Bougie	\$.....	Branch
4818S-SF	.....	Abounty	.....	Bounty	.....	Brash
6818S-SF	.....	Abouse	.....	Bouse	.....	Braided

### PRICE

Number	Res. and Balustrade	Code Word	Res. and High Shelf	Code Word	Res. and High Closet	Code Word
2818S-SF	\$.....	Abovine	\$.....	Bovine	\$.....	Breach
4818S-SF	.....	Aboyish	.....	Boyish	.....	Brevet
6818S-SF	.....	Abrails	.....	Brails	.....	Brewer



# National Stoves, Ranges and Furnaces



## MODISH NATIONAL

Semi-Porcelain-Enameled Trimmed  
For Hard Coal, Soft Coal or Wood  
With Polished Top

*Construction*—MODISH NATIONAL is an entirely new and up-to-date semi-porcelain enameled range. Can be equipped with pouch or straight front, 2 8-inch covers and 1 large solid key plate, 4 8-inch covers and 1 small solid key plate or 6 8-inch covers. A high class range at a low price. Sheet steel ash pan with proper guards to conduct all ashes into the pan. A suitable center post is used to prevent top from warping. Covers and key plates are extra heavy. Copper contact reservoir is so arranged that water can be heated at the same time oven is used for baking without using extra fuel.

*Body*—Body is made of heavy gauge Cop-R-Loy polished steel properly lined. Main front frame is all cast-iron black porcelain enameled.

*Oven*—Made of heavy Cop-R-Loy steel with a special rib joint in oven bottom, reinforced with channel iron braces to prevent warping. Oven large, high and roomy and is provided with non-breakable oven rack.

*Fire Box*—Extra heavy cast linings and fire box extension for long lengths wood. National duplex grate removable through top without interfering with water connection when so equipped. Fitted with our wonderful porcupine fireback. Guaranteed twenty-five years.

*Dampers*—Slide damper in top to control heat in oven and is also used to heat water in reservoir. Damper in front end of range can be used to control fire in fire box.

*Reservoir*—We furnish a copper reservoir thoroughly tinned inside and heats by contact. It lies close against the body of range and heats water continually. Capacity, 9 gallons. The reservoir is portable easily attached to square top range. A special arrangement permits the reservoir to be permanently bolted to range if desired. National contact reservoirs do not interfere with baking, and are fuel-savers.

*Thermometer*—Furnished with all sizes, measures heat just as a clock measures time. It avoids bad luck when baking.

*Water Heater*—Arranged for cast water back, cast water front, and front water coil. Front water coil can be furnished on pouch feed ranges only.

*Trimming*s—Body of range has grey cast porcelain enamel oven door, ash door, reservoir end, thermometer panel, two front legs and one long base strip. Oven door panel, ash door panel and reservoir end panel are white porcelain enamel. High closet has right and left door frame of dull japanned finish; polished steel balustrade, right end, left end and top; grey cast porcelain enameled end brackets, doors and balustrade corners; white porcelain enameled splashers back and door panels. High shelf has grey cast porcelain enameled end brackets, and balustrade corners; white porcelain enameled splashers back and balustrade.

TAKE THE RIGHT ROUTE — BUY NATIONALS





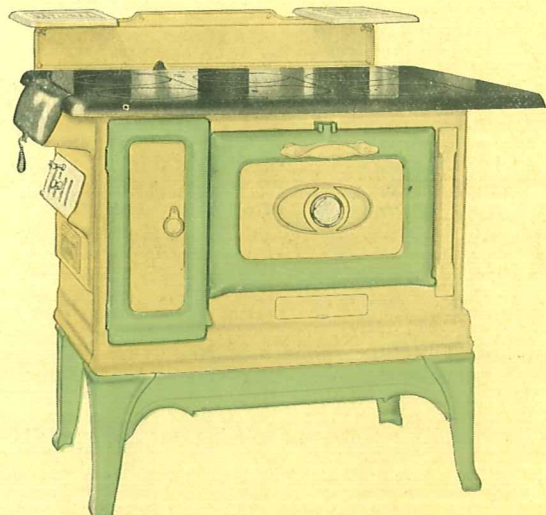
# Excelsior Stove & Manufacturing Company

## REGENT NATIONAL

Cast Range, Ivory-Tan and Green Porcelain Enameled Finish

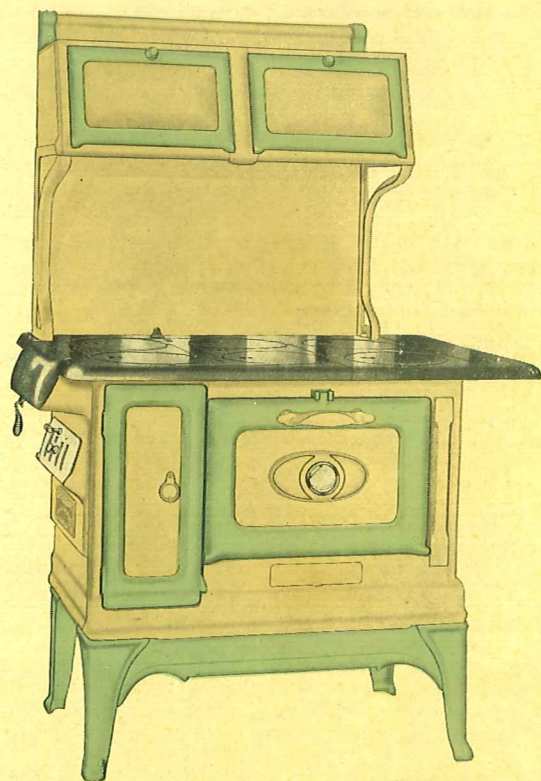
For Hard Coal, Soft Coal and Wood

### IG SERIES



*Square with Balustrade*

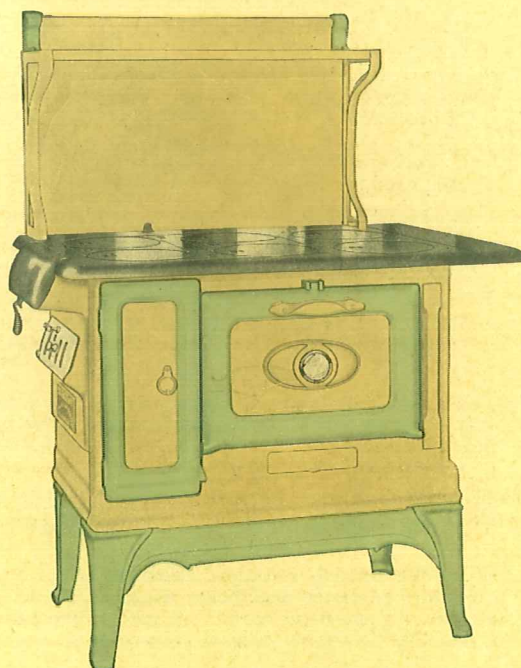
### IG SERIES



*Square with High Closet*

*The thoroughness with which every National range is constructed assures extra long life.*

### IG SERIES



*Square with High Shelf*

Exclusive features of merit and convenience are embodied in their construction.

For Description and Detail See Pages 32 and 33

NATIONAL RANGES ARE BEST BY TEST



# National Stoves, Ranges and Furnaces



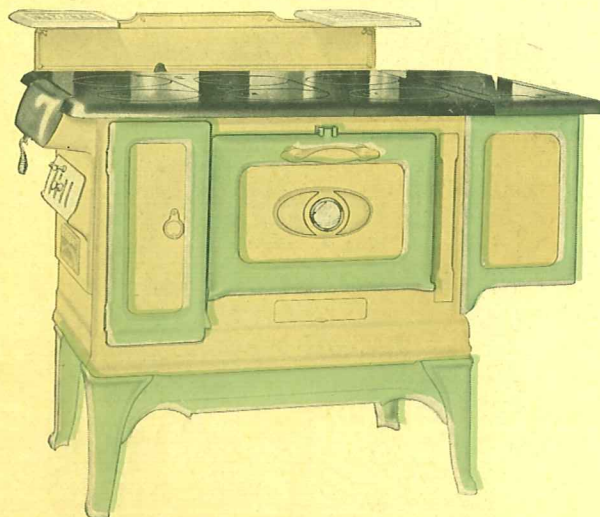
## REGENT NATIONAL

Cast Range, Ivory-Tan and Green Porcelain Enameled Finish

For Hard Coal, Soft Coal and Wood

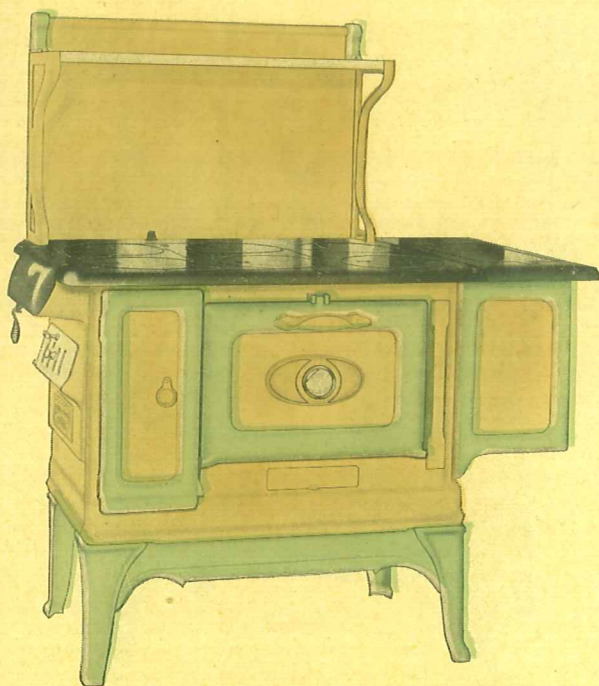
*Nationals are giving satisfactory results and are quick turn-overs.*

### IG SERIES



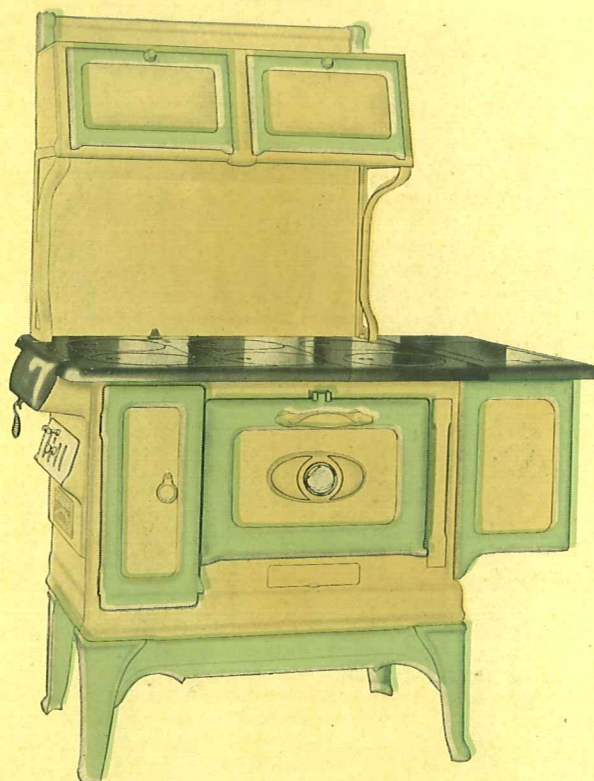
*With Reservoir and Balustrade*

### IG SERIES



*With Reservoir and High Shelf*

### IG SERIES



*With Reservoir and High Closet*

There is unforgettable satisfaction in quality made Nationals.

For Description and Detail See Pages 32 and 33

NATIONAL PRODUCTS HAVE NO DISAPPOINTMENTS





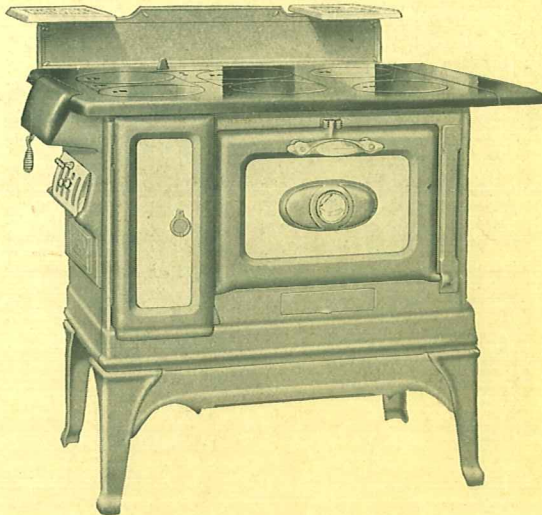
# Excelsior Stove & Manufacturing Company

## REGENT NATIONAL

Cast Range, Grey and White Porcelain Enameled Finish

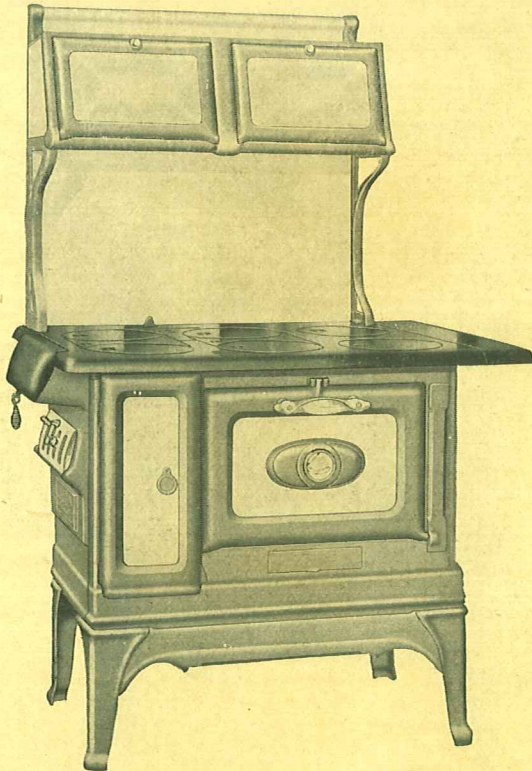
For Hard Coal, Soft Coal and Wood

### H SERIES



*Square with Balustrade*

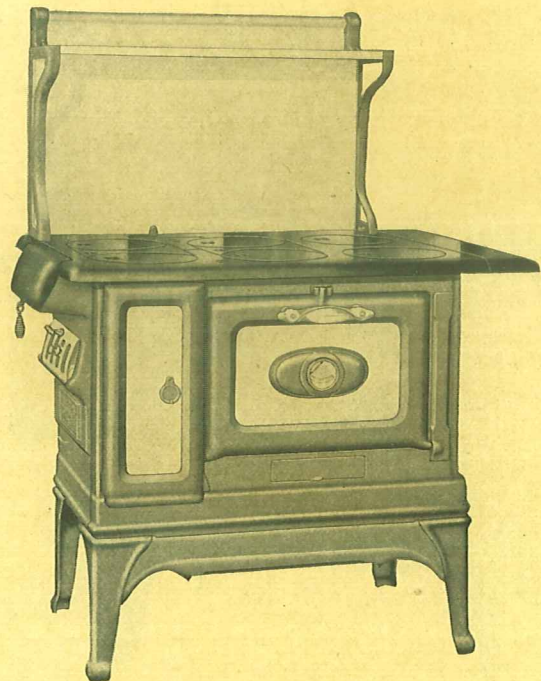
### H SERIES



*Square with High Closet*

*All National patterns are thoroughly tested before being placed on the market.*

### H SERIES



*Square with High Shelf*

REGENT Nationals afford profitable opportunity—by quick turnovers—and contribute the greatest margin of profit to your business.

For Description and Detail See Pages 32 and 33

NATIONAL RANGES ARE QUICK BAKERS AND FUEL-SAVERS



# National Stoves, Ranges and Furnaces



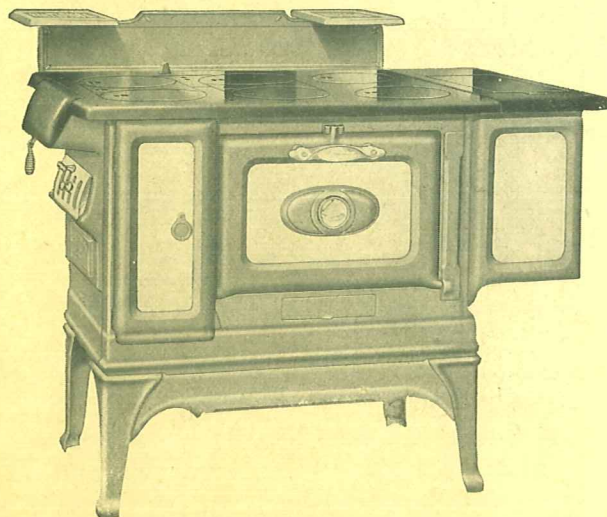
## REGENT NATIONAL

Cast Range, Grey and White Porcelain Enameled Finish

For Hard Coal, Soft Coal and Wood

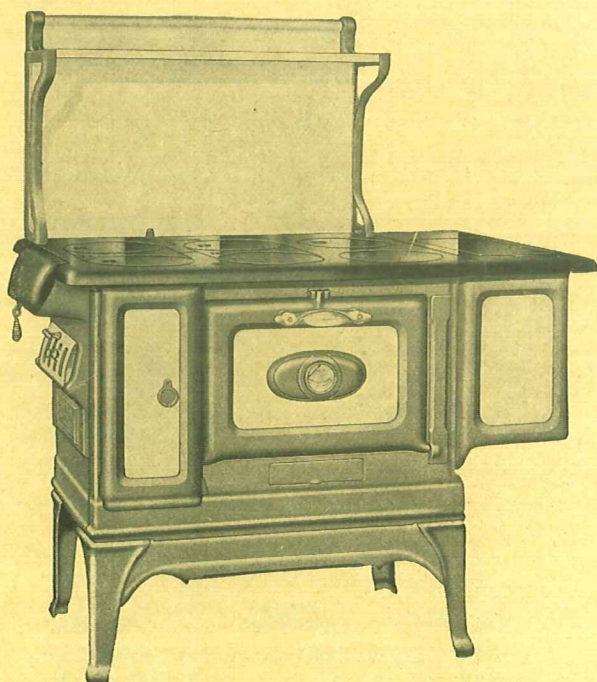
*The real success of Nationals is due to the general recognition of the superior quality in their manufacture.*

### H SERIES



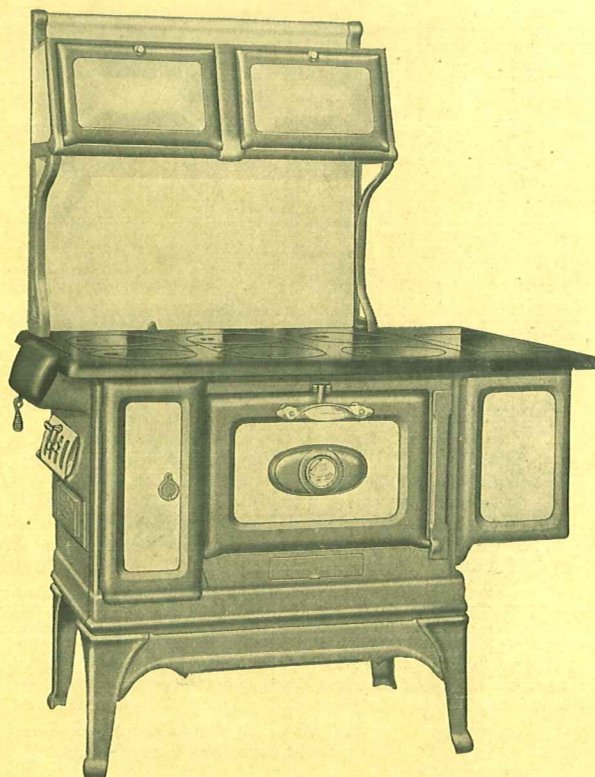
*With Reservoir and Balustrade*

### H SERIES



*With Reservoir and High Shelf*

### H SERIES



*With Reservoir and High Closet*

REGENT Nationals are made in the largest stove foundry of the West.

For Description and Detail See Pages 32 and 33

NATIONAL — THE TRADE-MARKED POPULAR PRICED LINE





# Excelsior Stove & Manufacturing Company

## REGENT NATIONAL

### Cast Range

For Hard Coal, Soft Coal, Gas, Wood or Electricity  
With Polished Top

### DETAIL

Number	Holes	Oven	Top Surface		SHIPPING WEIGHT					
					□ and Bal.	□ and H.S.	□ and H.C.	Res. and Bal.	Res. and H.S.	Res. and H.C.
8618-IG	Six 8-in.	18x18x11 1/2	37x25 1/2	43x25 1/2	340	360	410	400	420	475
8618-H	Six 8-in.	18x18x11 1/2	37x25 1/2	43x25 1/2	340	360	410	400	420	475

Weight of Gas Hot Plate . . . . . 60 lbs.  
Weight of Electric Hot Plate . . . . . 25 lbs.

### PRICE

Number	Square and Balustrade	Code Word	Square and High Shelf	Code Word	Square and High Closet	Code Word
8618-IG	\$ . . . . .	Cache	\$ . . . . .	Cabal	\$ . . . . .	Camphor
8618-H	. . . . .	Candidly	. . . . .	Caballer	. . . . .	Camphoric

### PRICE

Number	Res. and Balustrade	Code Word	Res. and High Shelf	Code Word	Res. and High Closet	Code Word
8618-IG	\$ . . . . .	Cajole	\$ . . . . .	Cag	\$ . . . . .	Cable
8618-H	. . . . .	Cake	. . . . .	Cad	. . . . .	Caboose

Fitted with Electric Hot Plate . . . . .	Extra	\$ . . . . .	Worka
Fitted with Gas Hot Plate . . . . .	Extra	. . . . .	Worker
2-Pipe Front Water Coil Fitted in Range . . . . .	Extra	. . . . .	Wen
2-Pipe Front Water Coil Separate from Range . . . . .	Extra	. . . . .	Wan
Cast Water "L" Front Fitted in Range, Fig. 29 . . . . .	Extra	. . . . .	Wordy
Cast Water "L" Front Separate from Range, Fig. 29 . . . . .	Extra	. . . . .	Work
Copper Reservoir for Style IG or H ordered separate from Range . . . . .	Extra	. . . . .	Wimble
High Closet for Style IG or H ordered separate from Range . . . . .	Extra	. . . . .	Windage
High Shelf for any series ordered separate from Range . . . . .	Extra	. . . . .	Wreak
If wanted without Balustrade . . . . .	Deduct	. . . . .	Wild

Top Surface Measurements Include Back Top Shelf on Square Ranges.

### TRIMMINGS

I G Style has Enameled Ivory-Tan Body with Green Trim.  
H Style has Grey Enameled Body with White Enameled Trim.



# National Stoves, Ranges and Furnaces



## REGENT NATIONAL

Cast Range—IG and H Series  
With Polished Top

For Hard Coal, Soft Coal, Gas, Wood or Electricity

**Construction**—REGENT NATIONAL is a very high-grade new all cast-iron range. The utmost care in construction and assembling is used to retain the unexcelled National System of mounting and fitting. Ample allowance has been made for free expansion and contraction by the use of bolts and lugs instead of rods.

The flues are extra large and are adaptable to the use of hard coal, soft coal or wood.

The top is full width fitted with heavy ribbed covers and centers. The top is cut into four sections to prevent fire cracking and to equalize the expansion and contraction of the castings. One simmering cover is furnished with each range. The smoke pipe fits in rear of high shelf or high closet and is attached to a removable cast elbow.

**Oven**—The entire oven is aluminized and furnished with non-breakable wire oven rack.

Oven top is convexed permitting extra space for ash accumulation and adds to its life. All oven plates are provided with flanges on all edges to prevent ashes from entering oven. Semi-oval fitting joints in oven insure good draft performance.

**Fire Box**—Oval fire box consists of interchangeable fireback and front grate, a convenience to equalize the wearing parts and prolong their life. Duplex Grates are made exceptionally heavy and are interchangeable from right to left.

**Reservoir**—This is made of copper tinned inside. It heats water by contact with back of range. The contact reservoir is made portable easily attached to square range and has a special fastening device that allows the reservoir to be bolted to the body and is sufficiently strong so that range may be carried by it.

**Damper**—Slide damper in top is used to control heat in oven. Slide damper handle to open, when starting fire, reverse for baking and heating water in reservoir. Damper in left end of range can be used to control fire in fire box.

**Oven Thermometer**—Furnished with each range. Measures heat just as a clock measures time. It avoids bad luck when baking.

**Water Heater**—Arranged for Fig. 29 cast water ell or two pipe water front coil.

**Trimmings**—I. G. Style has enameled ivory tan body with green trim. H Style has grey enameled body with white enameled trim.

**National Gas Hot Plate**—Attached only to No. 8618 REGENT NATIONAL and is equipped with three extra large cast cored drilled star burners, with loose porcelain spider sections. All burners may be removed for cleaning. Lever valves indicate the volume of gas supplied. Polished top 14x28½ inches. Front bracket porcelain enamel.

**National Electric Hot Plate**—Attached only to No. 8618 REGENT NATIONAL and is equipped with three 550 watt units with one heat indicating rotary switch for each burner and draws 5 amperes each for 110 volts. Top is sheet steel finished in black enamel, size 11x27 inches. Front bracket porcelain enamel. Standard length insulated cord and two piece plug furnished with hot plate.





# Excelsior Stove & Manufacturing Company

## ALMA NATIONAL

Circulating Heaters

For Hard Coal, Soft Coal, Coke or Wood

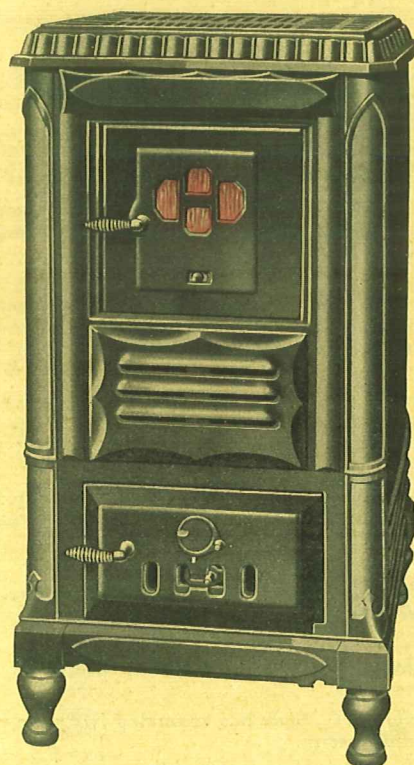
### W SERIES



*Cross Burl-Walnut Porcelain  
Enameled Finish*

"Series B" ALMA National is of same construction as "Series W" ALMA National except it has polished steel casing panels and regular black iron finish.

### B SERIES



*Regular Iron Finish*

### DETAIL

Number	Diameter Top Fire Pot	Floor Space Required	Height Overall	Size Feed Door	Shipping Weight	Price	Code Word
19W	19	27 1/2 x 27 1/2	50 1/2	9 1/2 x 11	540	\$.....	Hess
19B	19	27 1/2 x 27 1/2	50 1/2	9 1/2 x 11	530	.....	Hessay

Note—Letter "W" indicates Walnut Finish. Letter "B" indicates Regular Iron Finish.

Description Page 35

**NATIONAL CIRCULATING HEATERS GIVE FURNACE HEAT  
AT STOVE PRICE**



# National Stoves, Ranges and Furnaces



## ALMA NATIONAL

For Hard Coal, Soft Coal, Coke or Wood

### Description

*Construction*—ALMA NATIONAL is the newest, up-to-date, porcelain enameled circulating heater offered the trade. Most modern in construction and unique in design and finish. The vitreous porcelain enamel is of a beautiful grained cross-burl-walnut finish, and is unexcelled in the art of modern stove-craft. The cold air of the room is drawn through openings in main bottom, cast-iron fretwork at sides and back of heater, then passes upward impinging on fire pot and along hot cast corrugated body through large open fretwork at top, into room in a highly heated stage. For cleanliness and beauty, smooth porcelain vitreous enamel is everlasting and far superior to stucco type—smoke, dust or like substance cannot lodge in nor mar the beauty of its smooth surface. It is most sanitary and easiest to keep clean. The ALMA NATIONAL is equipped with a hot blast of exclusive design, scientifically constructed and tested, by our expert heating engineers. It introduces correctly into the fire, a proper supply of air, necessary for the burning of smoke and gases, thereby creating a most perfect Hot Blast. Unlike many so-called hot blasts, that act as a check to the fire, the National hot blast is constructed on practical lines and insures a proper combustion at all times when used for that purpose. The interior of the Alma National consists of highest quality tested grey iron, and so constructed to give durability, satisfaction and economical service.

*Fire Pot*—The fire pot is corrugated and made very heavy. The sides are nearly straight, which prevent ashes from resting on the inner walls of the fire pot, permitting an unobstructed flow of heat through the sides, increasing the radiation and efficiency many times over. The fire pot is attached to ash-pit base with our deep air-tight sealing joint, and held in position with four bolts.

*Blast Ring*—The heavy blast ring is made in sections which are loose and self-supporting. Ample space for free expansion and contraction has been allowed, and sections can be easily replaced. They perform the office of burning the gas and smoke as it arises from the fire, which produces perfect combustion, insuring a vast saving in fuel and increasing the efficiency of the heater. The draft, being admitted through the ash-door slide in part, passes up through the grate; at the same time, a portion of the draft arises through a tube from the base into the blast ring at top of fire pot. Many so-called hot blasts are offered to the trade that do not perform the office they expect, due entirely to improper construction. The Alma National on account of its scientifically constructed hot blast is far superior to anything on the market.

*Body*—The inside body of the Alma National is made of cast-iron, in sections, square-ribbed heavy construction and is proportioned in its relation to the fire pot, which provides the correct amount of radiation and combustion chamber. The sections are assembled with all bolts on the outside of fire line which insure durability.

*Casing*—Casing consists of three sections of porcelain-enameled cast louvers, located at lower sides and back and extend from main bottom to lower part of fire pot. Connected to the cast louvers are panels of porcelain enameled steel, grained in walnut finish, which form the complete casing. An exceptionally large space is provided between casing and inner cast body to allow a free and unobstructed flow of air.

*Grates*—Triple wearing grates consist of three triangular bars, coupled together with cog wheels. These grate bars can be revolved with a grate shaker through hole stop in ash door. By an ingenious construction, the grate shaker cannot be removed without leaving all the grate bars in a proper position.

*Air Circulation*—The air space between the heater and the casing; also the space between the heater and the floor is properly proportioned to circulate the air of the rooms without causing an unpleasant draft. The circulating system draws the air from the remote corners of the rooms toward the heater and is replaced by warm air, insuring an even temperature. The heating qualities of the Alma National must not be confused with an all-steel construction, since the Alma National is mounted with a full two-piece cast front, of elaborate design, cast-iron fitted against cast-iron, in all the important expansion joints, which insures lasting and durable construction. The radiation through cast-iron front heaters is too well known to admit of any argument; it is the most reliable and dependable.

*Evaporating Pan*—A one-piece porcelain-lined water pan (clean as a china dish) is furnished with the Alma National. It is demountable for cleaning, and in a convenient place to fill with water. Sufficient amount of heat permits the evaporation of large quantities of water, thereby keeping the air in the rooms in a pure and healthful state.

NATIONAL CIRCULATING HEATERS ARE THE HIGHEST GRADE





# Excelsior Stove & Manufacturing Company

## FIREPLACE NATIONAL

Style "D" — With Casing Doors

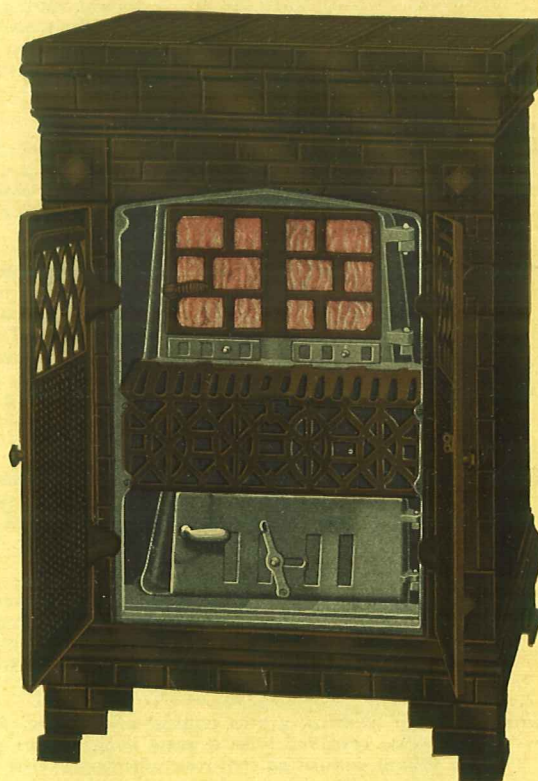
Walnut Finish

For Hard Coal, Soft Coal and Wood



*View with Casing Doors Closed*

*FIREPLACE Nationals add comfort and attractiveness to the home surroundings.*



*View with Casing Doors Open*

To avoid hard going, take the right route,  
Buy a NATIONAL.

### DETAIL

No.	Size Fire Pot	Size Top Grille Opening	Size Casing	Height Overall	Size Feed Door	Shipping Weight	Height Floor to Pipe Collar	Price	Code Word
D-21W	20 1/2 x 14 1/2	22 1/4 x 28 1/2	24 1/2 x 28 1/2	46	9 1/4 x 14	465	45	\$ . . . . .	Heated

Description Page 37

NATIONAL CIRCULATING HEATERS GIVE FURNACE HEAT  
AT STOVE PRICE



# National Stoves, Ranges and Furnaces



## FIREPLACE NATIONAL

### Description

*Construction*—FIREPLACE NATIONAL is an entirely new-designed, tile effect porcelain vitreous everlasting enameled heater. Finished in elaborate walnut grained by hand, artistic in appearance and most beautiful. To obtain a durable enamel it is essential to use iron that contains the proper mixture to insure the lustre and durable finish, so much desired by the user. Fireplace National meets these requirements, since all material entering into the construction is analyzed by a competent chemist. The FIREPLACE NATIONAL system of heating is the same as used in the National schoolroom heaters, which conforms with the principles of heating engineers and medical authorities in that it provides a continuous renewal of air. Its heating efficiency is far superior to many so-called circulators, due to the construction and large opening between heater and casing. The large feed door enables the user to fuel heater conveniently either with coal or wood and is in keeping with the ideas advanced by experienced users of heaters of this type. An enameled water pan properly and conveniently located in the rear of heater, not only insures proper humidity necessary to health and comfort, but prevents many of the ills and discomforts traceable to the lack of proper atmospherical moisture in rooms. Experience has taught us that smooth enamel is more sanitary than stucco type, retains its beauty during life of heater and is easier to keep clean. Fireplace National is not merely a casing placed around an obsolete stove, but is new throughout and constructed along scientific lines, passed on by the foremost stove builders in the world. The air is taken off from the floor and comes in contact with the inner all-cast body and passes into the rooms through the large grilles on top in a highly heated state. Equipped with a seven-inch cast elbow which will permit the smoke pipe to be attached to top of elbow or rear of heater without any extra parts. Mounted on sanitary removable base, an advantage over the leg bolted type. The large mica door permits user to enjoy the cheerful glow of an open fireplace at all times. Heater is assembled with a special asbestos cement which insures smoke, gas and air tight joints. Ash pan is exceptionally large and in a convenient place.

*Fire Pot*—The fire pot is of the new constructed oblong type, exceptionally deep and heavy, reinforced with bars on inside and corrugated on outside to allow for the expansion and contraction necessary in heaters of this type. Self-sealing asbestos cement joints are used and fire pot is held in place by four suitable bolts which makes for durable construction.

*Body*—The inside body is made of analyzed grey iron with extra reinforcing ribs which perform the office of increasing the life of the casting and adds heating efficiency. The dome is cast in two sections which permits the proper expansion and contraction of the iron and prevents cracking.

*Casing*—Casing consists of three sections of porcelain enamel steel panels, beautifully hand-grained in walnut finish and a work of art. An exceptionally large space is provided between casing and inner cast body to allow a free and unobstructed flow of air. The casing front is all cast-iron made in sections with two outside open work doors, enameled inside and outside, fitted with elaborate designed steel panels.

*Grates*—The National duplex grate, made without a grate frame, a bar on each end serves all requirements. Can be mounted through ash pit opening and by simply reversing them, forms a perfect wood grate.

*Evaporating Pan*—A one-piece porcelain-lined water pan (clean as a china dish) is furnished with all Fireplace Nationals. It is demountable for cleaning and in a convenient place to fill with water. Sufficient amount of heat permits the evaporation of large quantities of water, thereby keeping the air in the rooms in a pure and healthful state.

*Doors*—The feed door is made with invisible hinges and proper mica holders, with separate door panel properly ventilated to protect the enamel. Extra perforated tin is placed in the door to protect mica. Door is ground and fitted to a paper tight test fit joint and held in position with a suitable turnkey. The ash door and ash pit base are surfaced ground to a paper test tight joint and will remain absolutely tight.

NATIONAL CIRCULATING HEATERS ARE THE HIGHEST GRADE





# Excelsior Stove & Manufacturing Company

## ALERT NATIONAL

Vitreous Porcelain Walnut Finish

For Hard Coal, Soft Coal and Wood

### SERIES W



*Porcelain Enameled Burl-Walnut Finish*

*ALERT National is an elaborate heat circulator embodying all up-to-date features known to modern stove builders.*

### SERIES B



*Plain Black Iron Finish*

ALERT National offers attractiveness to the home, aside from its efficient, healthful and economical heating qualities.

### DETAIL

No.	Dia. Top of Fire Pot	Height Overall	Size Feed Door	Size Casing	Gauge Body	Grate Diameter	Shipping Weight	Price	Code Word
16W	16	44	9 1/4 x 11 1/2	23 1/2 x 23 1/2	16	11	340	\$ . . . . .	Heary
16B	16	44	9 1/4 x 11 1/2	23 1/2 x 23 1/2	16	11	335	. . . . .	Aheary

Description Page 39

NATIONAL CIRCULATING HEATERS ARE THE HIGHEST GRADE



# National Stoves, Ranges and Furnaces



## ALERT NATIONAL

### Description

*Construction*—ALERT NATIONAL is an addition to the National line of circulators. Exceptional care is used in the construction of each and every part to insure satisfaction, convenience and economical operation. The principle of heating and circulating the air of the room is the same as used in our schoolroom heaters that have given such wonderful satisfaction for many years. The large fuel opening will be appreciated when wood is used as fuel. A smoke curtain mounted in main front prevents smoke entering room when fueling. A special designed ash pit base, extra deep and fitted with the National air tight joints is but one of its many good features. Non-leakable joints are used to connect body of stove to fire pot. Special asbestos cement is used in assembling parts, and insures smoke, gas and air tight joints. Mounted on sanitary removable base, a convenience in handling heater. Large ash pan prevents ashes falling on floor. Casing finished in beautiful burl walnut with sufficient area to permit the proper amount of air circulation. Water pan is in rear conveniently placed for filling. Reversible smoke collar a convenience to fit pipe to low flue openings.

*Fire Pot*—Is made extra heavy insuring strength and durability. It is attached to ash pit base with self-sealing joints and four special bolts.

*Body*—The inside body is made of 16-gauge COP-R-LOY steel, reinforced with extra high and heavy linings above fire pot to protect it from over-firing. Extra cast body strips are used where body connects to front.

*Casing*—Casing consists of three sections of porcelain enamel steel panels, beautiful hand-grained burl walnut finish. The casing front is all cast-iron, made in two sections with open fretwork. The casing lower door drops and acts as an ash guard, preventing ashes from falling on floor.

*Grate*—Is our improved shaking and draw center pattern, shakes through ash door damper opening and is removable without taking stove apart. A special wood grate can be furnished when wood is used as fuel.

*Doors*—Feed door has extra panel, is exceptionally large and fitted absolutely tight with invisible hinges. Ash door and ash pit base are surfaced ground to a paper test tight fit. Direct draft damper controlled without opening casing door. All doors held in proper position with special designed turnkeys.

*Note*—"B Series" ALERT NATIONAL is same construction as "W Series" ALERT NATIONAL except it is finished in plain black iron, with casing of polished steel.

NATIONAL CIRCULATING HEATERS ARE THE HIGHEST GRADE





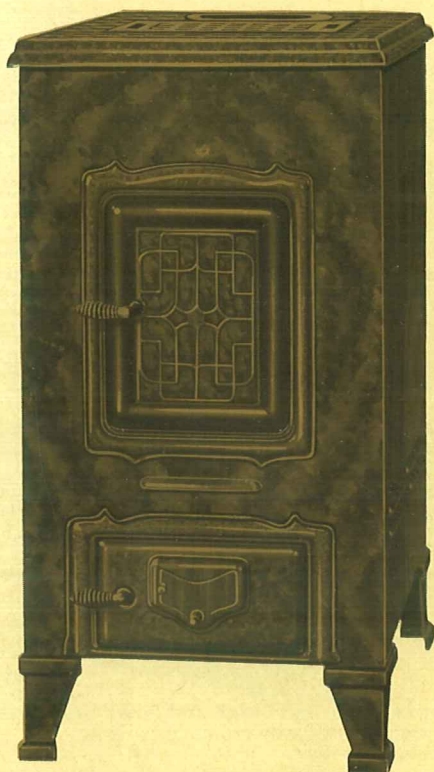
# Excelsior Stove & Manufacturing Company

## SOLID NATIONAL

Circulating Heaters

For Hard Coal, Soft Coal or Wood

### SERIES W

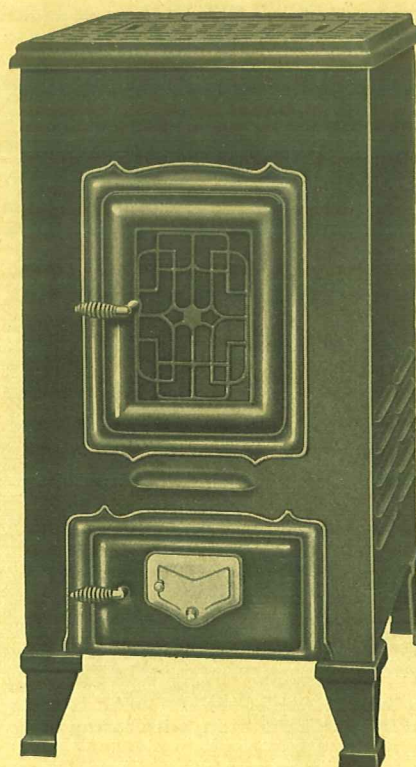


*Burl-Walnut Porcelain Enameled Finish*

National heating stoves have a style and a size that will appeal to the personality of your trade.

*SOLID Nationals are quality-made—  
You can pay more, but there  
are none better.*

### SERIES B



*Regular Plain Black Finish*

### DETAIL

Number	Diameter Top of Fire Pot	Height Overall	Size Feed Door	Size Casing	Shipping Weight	Price	Code Word
14W	14 inches	41 $\frac{1}{2}$ inches	8x11 $\frac{1}{4}$ in.	20 $\frac{1}{2}$ x21 $\frac{1}{2}$	190 lbs.	\$.....	Hackly
14B	14 inches	41 $\frac{1}{2}$ inches	8x11 $\frac{1}{4}$ in.	20 $\frac{1}{2}$ x21 $\frac{1}{2}$	185 lbs.	.....	Hackling

No. 14-W—Walnut Porcelain Finish

No. 14-B—Plain Black Finish

Description Page 41

NATIONAL QUALITY AND EFFICIENCY



# National Stoves, Ranges and Furnaces



## SOLID NATIONAL

### Circulating Heater

#### Description

*Construction*—SOLID NATIONAL is the latest addition to the National line of circulating heaters enabling the dealer to offer his trade a National High Quality Circulating Heater at an exceptionally low price.

It is sturdy in construction, its system of heating insures longevity, fuel economy and always satisfies. The fuel opening is extra large, especially desirable when wood is used as a fuel. Smoke curtain is mounted in main front preventing the emission of smoke into room while firing. Ash pit is extra deep. Body is attached to fire pot with non-leakable joint. The entire inner unit is mounted with high grade asbestos cement. Reversible smoke collar, a convenience to fit pipe to low flue opening. Check damper in top to regulate fire.

*Casing*—Casing consists of three sections of porcelain enameled steel panels of beautiful hand grained walnut finish. The casing front is steel to which cast door frames are attached with invisible bolts. Allowance is made for sufficient space between heater and casing to permit a free and unobstructed passage for warm air.

*Body*—The inside body is made of 18-gauge Cop-R-Loy steel and attached to fire pot with our National non-buckling connection—an exclusive National feature.

*Grate*—The grate is cone center, self cleaning, and can be mounted in stove without removing doors or other parts. Shakes through ash door damper.

*Doors*—Feed door is extra large and fitted with invisible hinges. Ash door and ash pit base are surfaced ground and fitted absolutely tight. Feed door and ash door are equipped with appropriate turnkeys.

*Water Pan*—Water Pan is located in rear of heater and can be filled without removing it. Enameled inside and outside insures cleanliness and prolongs life of pan.

NATIONAL PRODUCTS ARE ORIGINAL IN DESIGN AND CONSTRUCTION



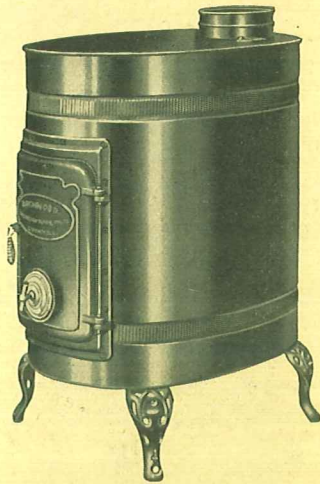


# Excelsior Stove & Manufacturing Company

## BIRCHWOOD NATIONAL

For Wood Only

Made of Blue Steel



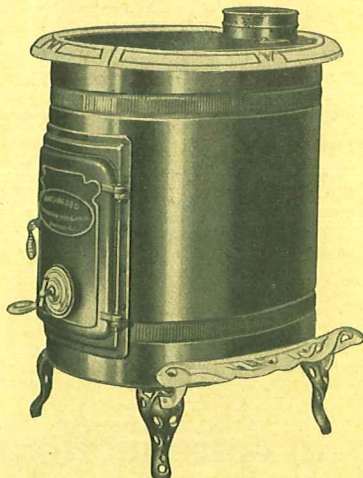
Number	Length	Width	Body Height	Weight	Price	Code Word
21	21 inches	16 inches	24 inches	35	\$....	Exorciseo
24	24 inches	17 inches	24 inches	40	....	Exorcismo
26	26 inches	18 inches	24 inches	45	....	Exorcisto

Nickeled Drop Handle and Screw Register.



Number	Length	Width	Body Height	Weight	Price	Code Word
210	21 inches	16 inches	24 inches	39	\$....	Exordialo
240	24 inches	17 inches	24 inches	44	....	Exordiumo
260	26 inches	18 inches	24 inches	49	....	Exortiveo

Nickeled Foot Rails, Drop Handle and Screw Register.



Number	Length	Width	Body Height	Weight	Price	Code Word
210R	21 inches	16 inches	24 inches	44	\$....	Exoterio
260R	26 inches	18 inches	24 inches	53	....	Exotico

Nickeled Top Ring, Foot Rails, Drop Handle and Screw Register.

### DESCRIPTION

A first quality Air Tight Heater with cast front feed door 8½x12-inch opening. Steel adjustable linings 15 inches high; screw register draft opening, check draft in top; large flat cooking surface on top.

NATIONAL QUALITY AND EFFICIENCY



# National Stoves, Ranges and Furnaces



## OAKWOOD NATIONAL

Made of Blue Steel

Number	Length	Width	Body Height	Weight	Price	Code Word
221A	21 inches	16 inches	24 inches	95 lbs.	\$.....	Eagerly
224A	24 inches	17 inches	24 inches	107 lbs.	.....	Ear
226A	26 inches	18 inches	24 inches	114 lbs.	.....	Eared

Nickel swing top, name plate and turnkeys.



Number	Length	Width	Body Height	Weight	Price	Code Word
221B	21 inches	16 inches	24 inches	100 lbs.	\$.....	Earldom
224B	24 inches	17 inches	24 inches	111 lbs.	.....	Early
226B	26 inches	18 inches	24 inches	117 lbs.	.....	Earliness

Nickel foot rails, swing top, name plate and turnkeys.



Number	Length	Width	Body Height	Weight	Price	Code Word
221C	21 inches	16 inches	24 inches	106 lbs.	\$.....	Earnest
224C	24 inches	17 inches	24 inches	118 lbs.	.....	Earnings
226C	26 inches	18 inches	24 inches	124 lbs.	.....	Earthling

Nickel top ring, foot rails, swing top, name plate and turnkeys.



### DESCRIPTION

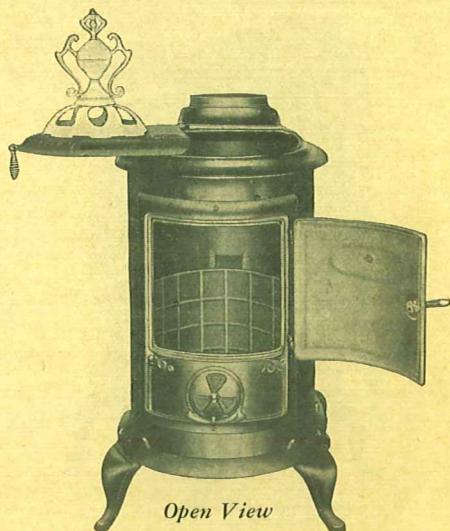
A first quality parlor wood stove. The construction covers every feature to make it convenient, durable and an efficient heater. It is made with heavy blue steel body, solid cast-iron linings and large feed-door opening.

All sizes are 24 inches high, which provides additional radiating surface and permits the use of extra large wood. Feed-door opening, 10¼x 10½ inches, a convenience for burning chunks. Check draft in top and demountable nickel trimmings. Swing ash door with turnkey.





# Excelsior Stove & Manufacturing Company



Open View

## LONGWOOD NATIONAL

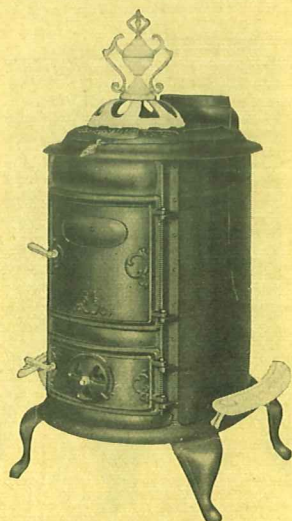
Cast-Lined

For Wood Only

Made of Blue Steel

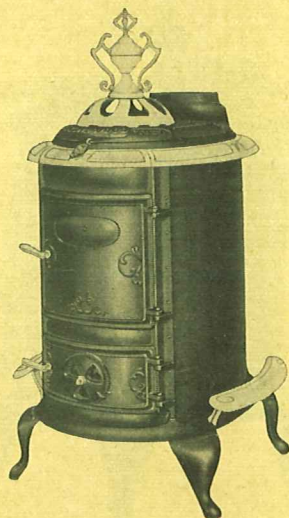
Number	Length	Width	Body Height	Weight	Price	Code Word
21	21 inches	16 inches	24 inches	100 lbs.	\$.....	Equip
24	24 inches	17 inches	24 inches	112 lbs.	.....	Erect
26	26 inches	18 inches	24 inches	118 lbs.	.....	Err

Nickeled swing top, urn, knob and turnkey.



Number	Length	Width	Body Height	Weight	Price	Code Word
210	21 inches	16 inches	24 inches	105 lbs.	\$.....	Espouse
240	24 inches	17 inches	24 inches	117 lbs.	.....	Essay
260	26 inches	18 inches	24 inches	123 lbs.	.....	Estate

Nickeled foot rails, swing top, urn, knob and turnkey.



Number	Length	Width	Body Height	Weight	Price	Code Word
210R	21 inches	16 inches	24 inches	110 lbs.	\$.....	Expel
240R	24 inches	17 inches	24 inches	121 lbs.	.....	Expert
260R	26 inches	18 inches	24 inches	128 lbs.	.....	Expand

Nickeled top ring, foot rails, swing top, urn, knob and turnkey.

### DESCRIPTION

A first quality, air-tight heater, with cast-iron front, cast-iron top and bottom. With front and top feed door. Front feed door 10 1/4 x 10 1/2-inch opening. Top feed door slides off top and has exceptionally large opening. Wheel register draft opening and check draft in top. A regular handy wood-burning heater. Cast linings in three sections. Reversible collar is a convenience for low flue openings. Swing ash door with turnkey.

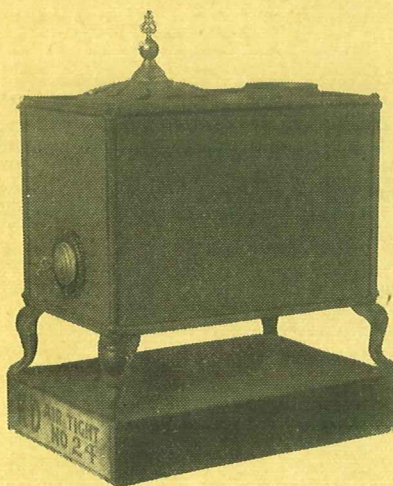
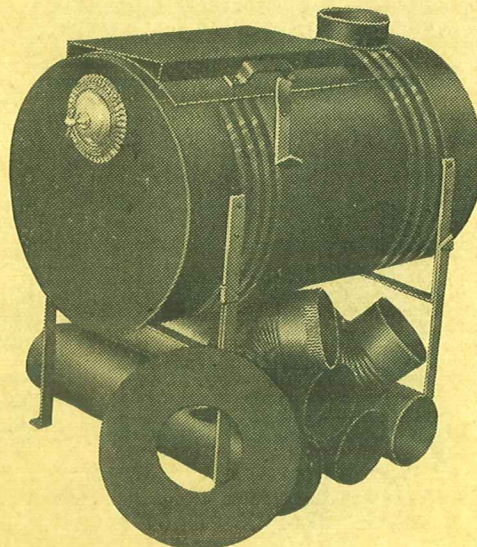


# National Stoves, Ranges and Furnaces



## NATIONAL FREIGHT CAR HEATER

No.	Price	Code Word
28A With 4 joints pipe, 2 elbows, collar and wire . . . . .	\$ . . . . .	Etching
28B Without pipe, etc. . . . .	. . . . .	Eternize
. Made of 27 gauge steel with folding legs and flat cooking top.		
Size 17½ in. diameter, 28 in. long, 30 in. high. Weighs 30 lbs.		
Feed door opening 9½x14½ in.		
Screw damper with hot blast down draft.		
Pipe, etc., packed inside of stove; each stove securely crated. One in a crate.		



## K. D. AIR-TIGHT HEATERS

Made of Blue Steel

For Wood only

Number	Length	Width	Height Body	Weight	Price	Code Word
18	18 inches	11 inches	13 inches	21 lbs.	\$ . . . . .	Envoy
22	22 inches	13 inches	16½ inches	28 lbs.	. . . . .	Epact
24	24 inches	14 inches	16½ inches	30 lbs.	. . . . .	Epha
26	26 inches	15 inches	16½ inches	33 lbs.	. . . . .	Ephod

The illustration shows our knocked down air-tight heater placed upon the box in which it is packed for shipping. Saves space. The No. 24, packed in box, measures 5½x18x27 inches, and contains 2,673 cubic inches. Saves freight. Body is embossed blue steel with cast corners, cast legs and steel lining. Edges are made of slotted steel tubing, and slides over special folded ends, making strictly air-tight and ash-proof joints. Legs bolt on bottom; easily set up. Nickered urn and damper.





# Excelsior Stove & Manufacturing Company



## WONDER NATIONAL

Air-Tight Wood Heater

Made of Blue Steel

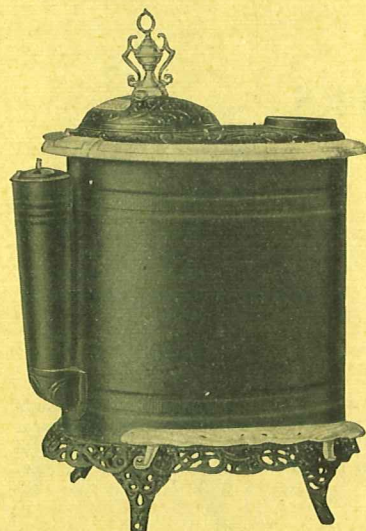
Number	Length	Width	Body Height	Weight	Price	Code Word
221A	21 inches	16 inches	18 inches	65 lbs.	\$.....	Eviction
226A	26 inches	18 inches	24 inches	85 lbs.	.....	Evidence

Nickel Foot Rails, per pair, all sizes.....	Extra	.....	Eradiate
Nickel Top Ring for 221.....	Extra	.....	Erasable
Nickel Top Ring for 226.....	Extra	.....	Erasion
Nickeled Feet, per set.....	Extra	.....	Wrap



Number	Length	Width	Body Height	Weight	Price	Code Word
221B	21 inches	16 inches	18 inches	75 lbs.	\$.....	Evince
226B	26 inches	18 inches	24 inches	95 lbs.	.....	Evoke

Nickeled Feet and Base.....	Extra	.....	Wrist
Price includes cast base and nickel foot rails.			



Number	Length	Width	Body Height	Weight	Price	Code Word
221C	21 inches	16 inches	18 inches	81 lbs.	\$.....	Evolve
226C	26 inches	18 inches	24 inches	101 lbs.	.....	Exact

Nickeled Feet and Base.....	Extra	.....	Wrist
Price includes cast base, nickel foot rails, nickeled top ring.			

### DESCRIPTION

Steel linings in all sizes, lined close to the top and reinforced with cast plate inside the draft opening; the cast elbow is made in one piece; solid cast top with check draft damper.

Nickel urn and name plate on all sizes.

Length of stove is without front draft pipe.



# National Stoves, Ranges and Furnaces



## PILOT NATIONAL

Made of Blue Steel

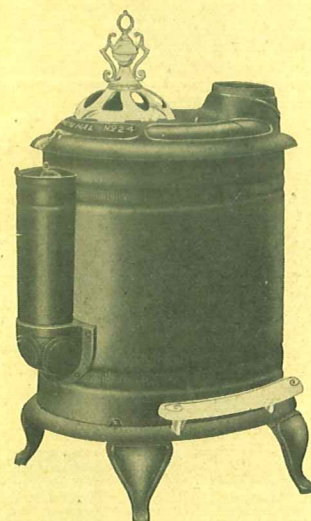
Number	Length	Width	Body Height	Weight	Price	Code Word
21	21 inches	16 inches	20 inches	73	\$.....	Exorcise
24	24 inches	17 inches	22 inches	80	.....	Exorcism
26	26 inches	18 inches	24 inches	85	.....	Exorcist

Nickel swing top and urn.



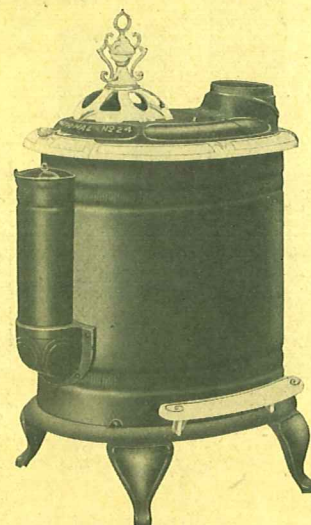
Number	Length	Width	Body Height	Weight	Price	Code Word
210	21 inches	16 inches	20 inches	78	\$.....	Exordial
240	24 inches	17 inches	22 inches	84	.....	Exordium
260	26 inches	18 inches	24 inches	90	.....	Exortive

Nickel foot rails, swing top and urn.



Number	Length	Width	Body Height	Weight	Price	Code Word
210R	21 inches	16 inches	20 inches	84	\$.....	Exoterie
240R	24 inches	17 inches	22 inches	90	.....	Exotic
260R	26 inches	18 inches	24 inches	96	.....	Expand

Nickel ring, foot rails, swing top and urn.



### DESCRIPTION

PILOT NATIONAL is a new down draft cast top and bottom wood heater with an exceptionally large top swing feed opening. Check damper in top, sheet steel adjustable linings. The cast elbow is reinforced with cast ring inside the body. Reversible collar is a convenience for low flue openings.

NATIONAL QUALITY AND EFFICIENCY

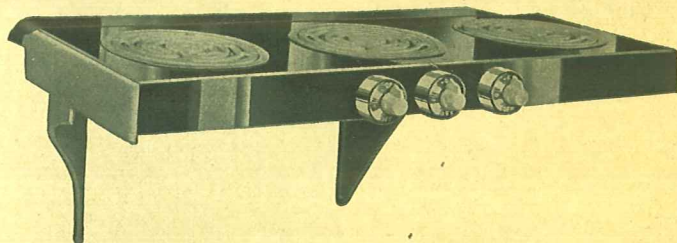




# Excelsior Stove & Manufacturing Company

## NATIONAL ELECTRIC HOT PLATE

Finished in Ivory-Tan or Grey Porcelain Enamel



Equipped with three 550 watt units with a one heat indicating rotary switch at each burner and draws 5 amperes each for 110 volts. Top is sheet steel finished in black enamel, 11x27. Front bracket porcelain enamel. Standard length asbestos lined heater cored with two-piece plug furnished with each hot plate. Will fit Number 8618 NEWART, MODISH and REGENT Nationals.

Electric Hot Plate—Weight 25 lbs.

## NATIONAL FISH HOUSE STOVE

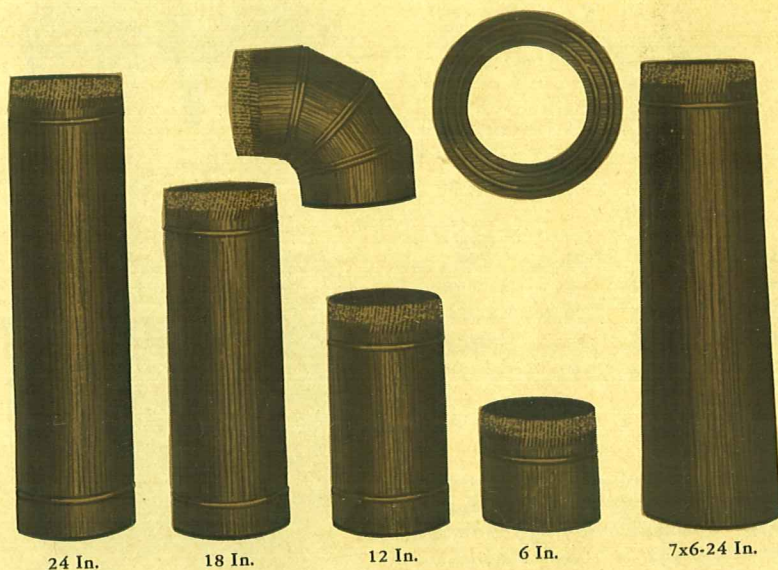
Fish House Stoves are made of heavy gauge metal with cast draft and cast grate. An ideal stove for heating fish houses during winter months. Has lift up feed door, and is equipped with three legs that bolt to bottom of stove. Charcoal is an ideal fuel to use but the stove will also burn cobs, chips and small wood.

No.	Diameter	Height	Weight	Code Word
10	8½ inches	18 inches	9 lbs.	Fishstove



## NATIONAL STATITE VITREOUS ENAMELED STOVE PIPE, COLLARS and ELBOWS

Pat. Applied for



Made in Walnut, Grey or Black Enamel Finishes

### NATIONAL

Statite Enamel Pipe Made in Sizes

3", 4", 5", 6", 7", 7" x 6"

All sizes made 6, 12, 18, 24 inches long, except 7x6 which can be had in 24-inch length only. All joints, including elbows 90 and 45 degree, have our Statite connection. Hole for pipe damper in joints if desired. 7x6 or any size can be had with round or oval end to fit collar on stove. Statite Pipe is practically indestructible. Enameled inside and outside. Will not rust or corrode. No blacking necessary. Always sanitary, simply use dust cloth to remove any foreign matter that settles on pipe.

Made by Our Exclusive Process.  
National STATITE Enamel Pipe Always Satisfies.

NATIONAL STOVES, RANGES AND FURNACES ALWAYS SATISFY

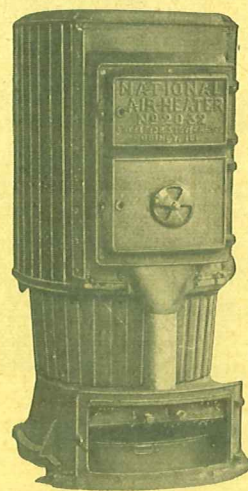
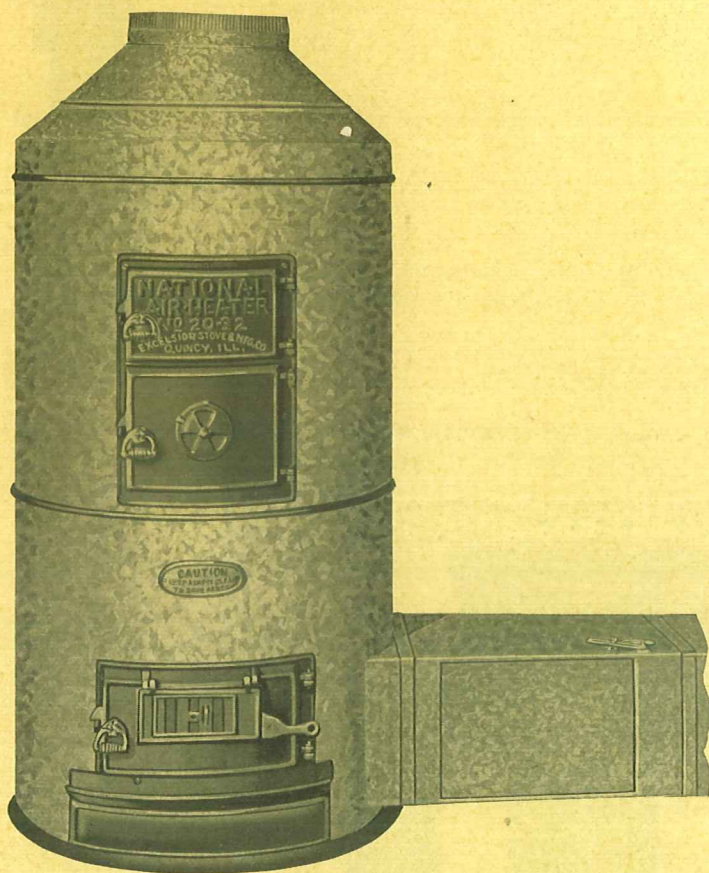


# National Stoves, Ranges and Furnaces



## NATIONAL SWEET POTATO CURING HEATER

For Hard Coal, Soft Coal, Wood or Gas



*Inside View of Heater*

### DETAIL

Number	Diameter Top Fire Pot	Diameter of Cast Body	Diameter of Casing	Height Casing Floor to Top Collar	Height Floor to Top of Smoke Pipe Tee	Size Smoke Pipe	Size Feed Door
18-30	18 inches	21 1/2 inches	30 inches	64 inches	51 inches	8 inches	11x16 1/2 inches
20-32	20 inches	23 1/2 inches	32 inches	66 inches	52 inches	8 inches	11x16 1/2 inches

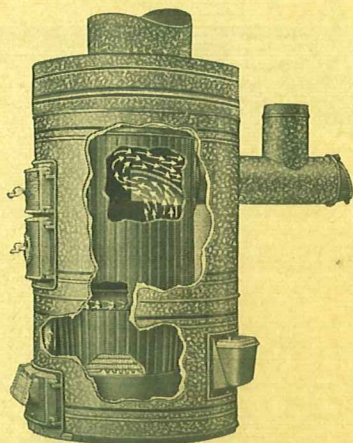
This heater is designed especially for curing sweet potatoes. The casing is made of heavy galvanized iron with tapering hood to a 12 or 14 inch collar. The lower casing is made in four sections, one section is equipped with a 12x16 collar to attach fresh air duct which can be placed on either side or rear of heater. The fresh air duct is made with a damper, controlled by a quadrant and can be adjusted to take air from outside or inside of building. The casing extends to the floor and is fitted to a properly constructed cast-iron base ring. This eliminates the extra expense of closing off the space between the bottom of heater and floor. The heater is all cast-iron extra heavy and mounted with triangular bar grates. Price includes heater, galvanized casing, galvanized fresh air duct, fresh air duct screen and tee joint.



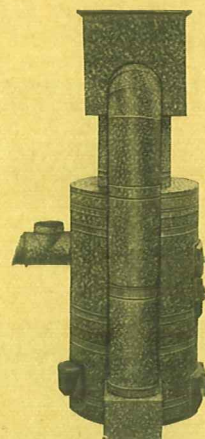


# Excelsior Stove & Manufacturing Company

## NATIONAL UNIT FURNACE



*Sectional Side View  
Showing Internal Construction  
of Heater*



*Side View  
Showing Heater  
Mounted Complete*

Excelsior Stove & Mfg. Co.,  
Quincy, Ill.

Gentlemen:

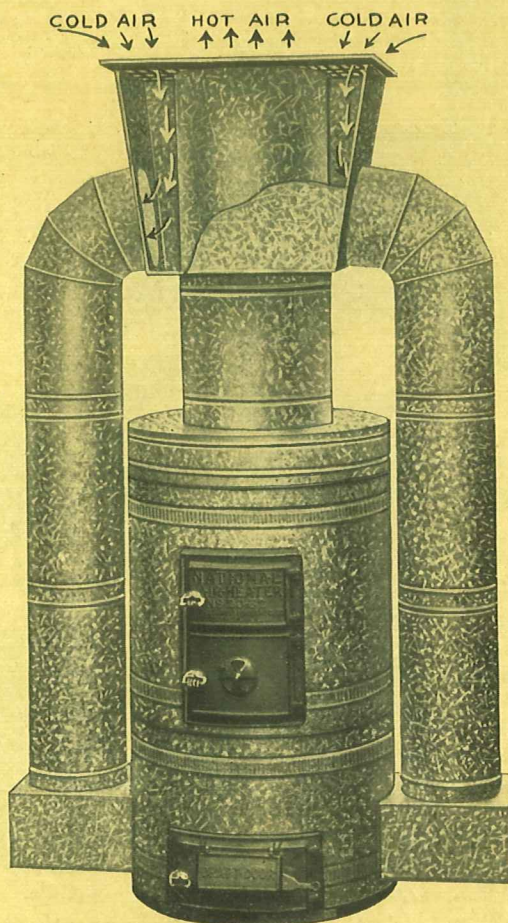
This is to certify that I used one of your No. 20-32 Unit Furnaces, and I found it did far more than I expected.

I kept 5 rooms 16 feet square, nice and warm last winter, and only used 150 bushels of coal. I would not think of using stoves again.

Yours truly,

L. A. ROSE.

Rutledge, Mo.



*Sectional Front View  
Showing Hot and Cold Air Circulation  
For Description see page 44C.*



# National Stoves, Ranges and Furnaces



## NATIONAL AIR-HEATER UNIT FURNACE

### SPECIFICATIONS

Number	Diameter of Fire Pot	Diameter of Body	Diameter of Casing	Entire Height	Size of Feed Door	Size of Smoke Pipe
20-32D-C	20 inches	23 1/2 inches	32 inches	97 inches	11x16 1/2 inches	8 inches
Number	Heating Capacity			Shipping Weight	Price	
20-32D-C	15,000 cu. ft.			790 lbs.		

Additional Height . . . . . per inch extra \$ . . . . .

Price includes apparatus complete (except smoke pipe) with 24x30 black japanned register face and galvanized furnace tee with check damper, also regulating chains and plate to operate dampers from room above.

### DESCRIPTION

This furnace is arranged to heat, from single register face, any ordinary size residence that is divided into five or six rooms, whose combined area does not exceed 15,000 cubic feet.

The heated air is conducted from the furnace through the large center pipe, and discharged from the central portion of the register face. The cold air enters the square galvanized iron box surrounding the hot air pipe, and descends to the bottom of the furnace through the two side pipes.

The cold air, which is the motive power that forces the warm air out of the furnace into the rooms, is drawn from all the rooms and is replaced by the warm air; therefore the temperature is equalized in all the rooms in which the adjoining doors are left open.

Register openings may be cut through the ceiling from the first to the second floor rooms; in that manner the entire house may be heated from the one central point.

In rooms provided with double doors, the register face should be placed directly in the doorway for a better distribution of the heat.

One opening in the floor, 24x30 inches, to accommodate the register face, being the only requirement.

The heater is made very strong and durable. It has a heavy corrugated fire pot, triangular grate, all cast body. Large double feed doors, for convenience in feeding coal or wood.

The sectional blast ring around the top of the fire pot is supplied with hot blast through the tube, extending from the front of the base. This superheated air is discharged at the top of the fire, which is the point of combustion for the volatile gases, and thoroughly consumes all the black smoke and soot when using soft coal.

The entire casing is made of galvanized iron and asbestos lined. Each heater is provided with a sheet steel ash pan, cast water pan and grate shaker.

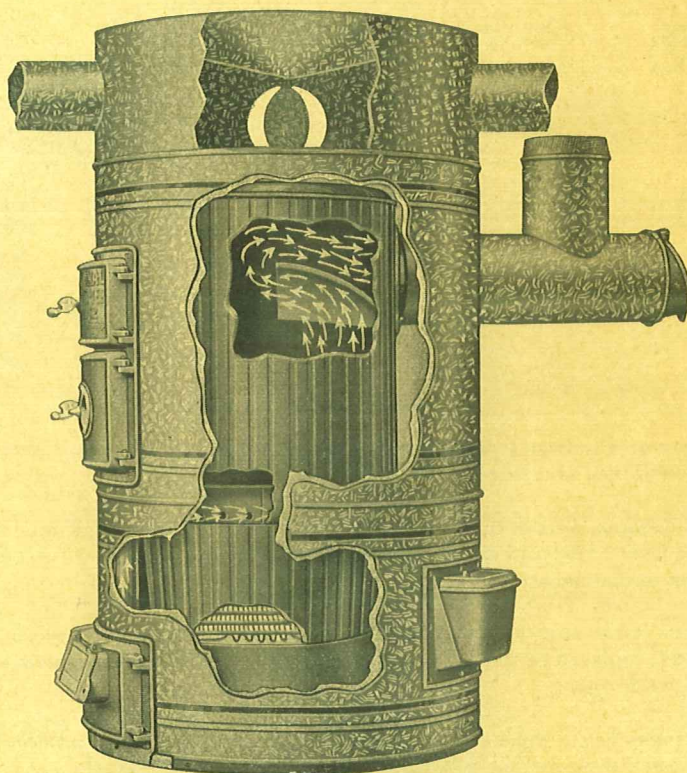
To install the apparatus requires cutting of one joist only. Joints are usually set to 16-inch centers, therefore the removing of one joist where the register is to be placed leaves a 30-inch clear space, permitting the register face to be set either the narrow or long way as desired.

We furnish the apparatus 97 inches high, which meets the requirements for an 8 feet high cellar, measuring from the cellar bottom to the flooring above. It can be reduced in height to 78 inches, or may be extended to any height greater than 8 feet if especially ordered.





# Excelsior Stove & Manufacturing Company



*Sectional View*

## NATIONAL AIR HEATER FURNACE

For Hard Coal, Soft Coal or Wood

Description, Page 44E.

### SPECIFICATIONS

Number	Diameter of Fire Pot	Diameter of Body	Diameter of Casing	Entire Height	Size of Feed Door	Size Smoke Pipe	Heat'g Cap. in Cubic Ft.
20-32B-C	20 inches	23 1/2 inches	32 inches	66 inches	11x16 1/2 inches	8 inches	15,000
20-32B-C	Without casing.....						Weight, 450 lbs.
	Single galvanized casing, asbestos lined.....						Weight, 110 lbs.

Price includes 36-foot regulating chain, 4 pulleys and regulator wall plate.

National Air Heater Furnace arranged for burning wood only.

National Air Heater Furnace arranged for coal and wood.

NOTE—Tee Joint included in price.



# National Stoves, Ranges and Furnaces



## NATIONAL AIR HEATER FURNACE

This furnace has been built to meet the demand for a furnace of moderate size, that should be adapted to heat three or four rooms only, which experience has shown to be the amount of heated space required in the average home. Modern built bungalows, with the usual reception hall, living room, dining room and bathroom, constitute the space in which artificial heat is desired, the kitchen being heated by the ever present cooking range. Store rooms and churches up to 15,000 cubic feet space can be better heated with this furnace than with the use of stoves.

To any and all the above conditions, our National Air Heater Furnace will be found to exactly fulfill the requirements. It was especially designed to enable anyone to install the apparatus complete in his house without the aid of a mechanic.

The National Air Heater Furnace is an improvement over the old-line furnace, as regards heating capacity, economy of fuel, durability and cleanliness. It does not occupy much space, heats quickly and holds fire over night. The following description of the structural features will convey a better idea of its possibilities.

### FUEL ECONOMY

The National Air Heater is built with special attention toward economy and perfect combustion of the fuel. This is accomplished in the arrangement of the draft inlet. The draft being admitted through the ash door in part, passes up through the grate; at the same time a portion of the draft rises up through the tube from the base into the blast ring at the top of the fire pot.

### PERFECT COMBUSTION

Perfect combustion of the fuel consists in the consumption of both the fixed carbon (coke) and the hydrocarbon (gases), which constitutes the B. T. U. of the fuel available if supplied with the proper amount of oxygen (air) to the fuel while in a state of combustion.

The draft through the grate forces the gases out of the fuel. The air from the blast ring makes these gases combustible, which are thoroughly consumed, leaving no black smoke or soot to pass out of the chimney, since black smoke is the manifestation of imperfect combustion.

### GRATES

The coal grates consist of four triangular bars, coupled together in pairs with cog wheels. These grate bars can be revolved with a grate shaker through the damper opening in the ash pit door. By an ingenious construction, the grate shaker can not be removed without leaving all the grate bars in a proper position. All the bars of the grate have three surfaces exactly alike; therefore either of the surfaces exposed to the fire is proper. After shaking the grate a changed relation of the grate to the fire will occur, which equalizes the wear and makes the grate practically indestructible. The grates are re-

movable through the ash pit door, without taking the heater apart or removing a single bolt. We furnish a complete wood grate instead of the coal grates when wood exclusively is to be used.

### FIRE POT

The fire pot is corrugated and made very heavy. The sides are nearly straight and prevent the fire or ashes from resting on the pot, which adds many years to its life.

### BLAST RING

The blast ring is made in eight sections of heavy cast-iron. These sections are loose and self-supporting; ample space for expansion is allowed and are easily replaced. They also serve to prevent the coal coming into contact with the body. The function of the blast ring is fully described under the caption of Perfect Combustion.

### BODY

The body of the National Air Heater Furnace is reinforced with ribs and made of all cast-iron. It is proportioned in its relation to the fire pot and provides the correct amount of radiation and combustion chamber. There are no rods used in this entire heater, therefore none to burn out.

### FEED DOORS

The feed doors are double; the lower door is intended for coal, while both doors may be opened to conveniently feed rough wood, or extra large chunks of coal.

### CHECK DAMPER

The check damper is located in the smoke pipe. It is operated from the living room above by a chain. The front draft damper is also provided with a chain, both of which terminate into a nickel plated wall plate for these chains, so that all drafts are manipulated from the rooms above without going into the cellar.

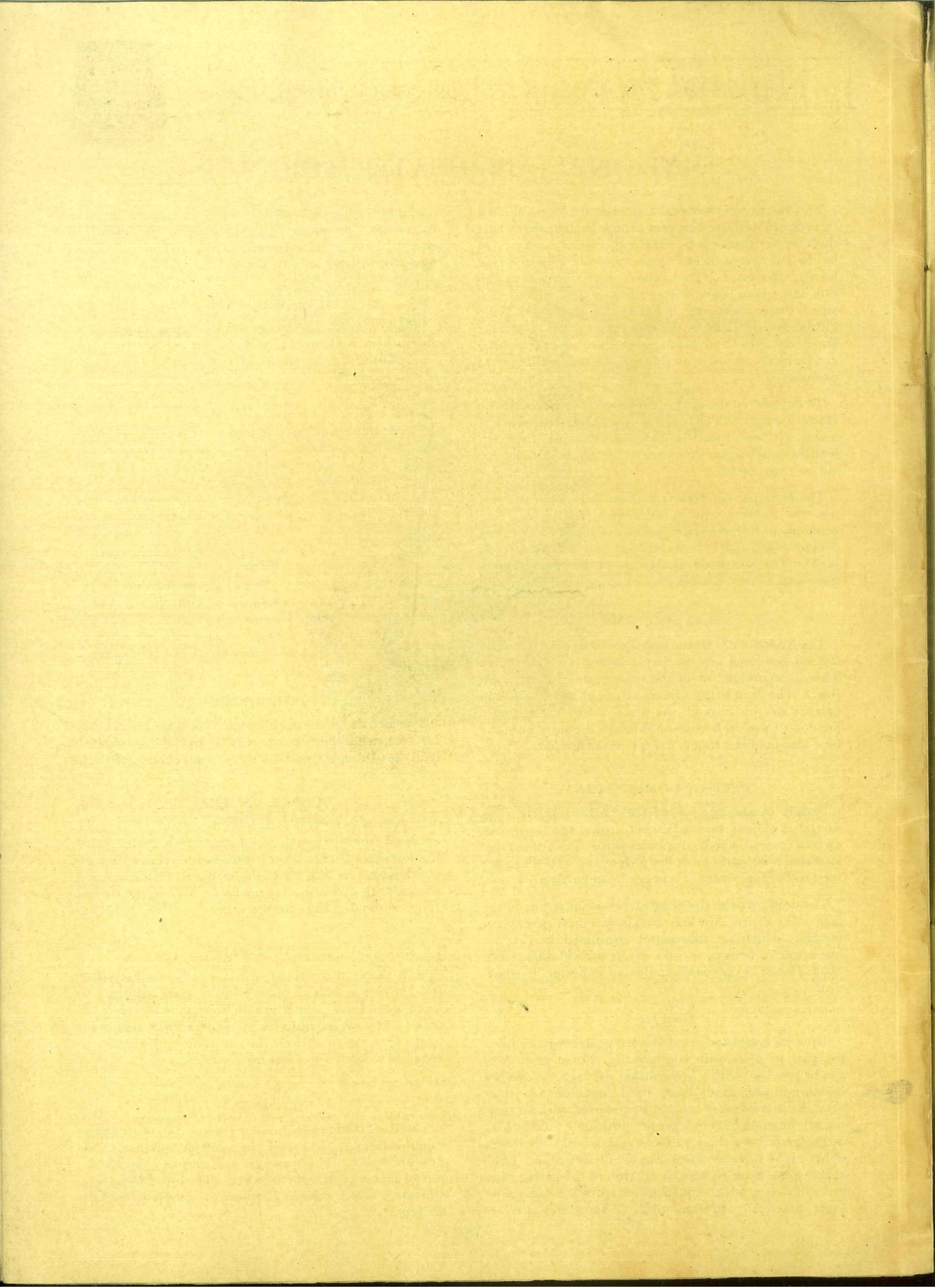
### WATER PAN

Each heater is provided with a water pan, arranged into the casing with an outside swing cover for convenience in refilling. Water should be kept in the pan at all times. The evaporation being automatically regulated by the heat, the air absorbs the exact amount of moisture required to keep it in a healthful condition.

### CASINGS

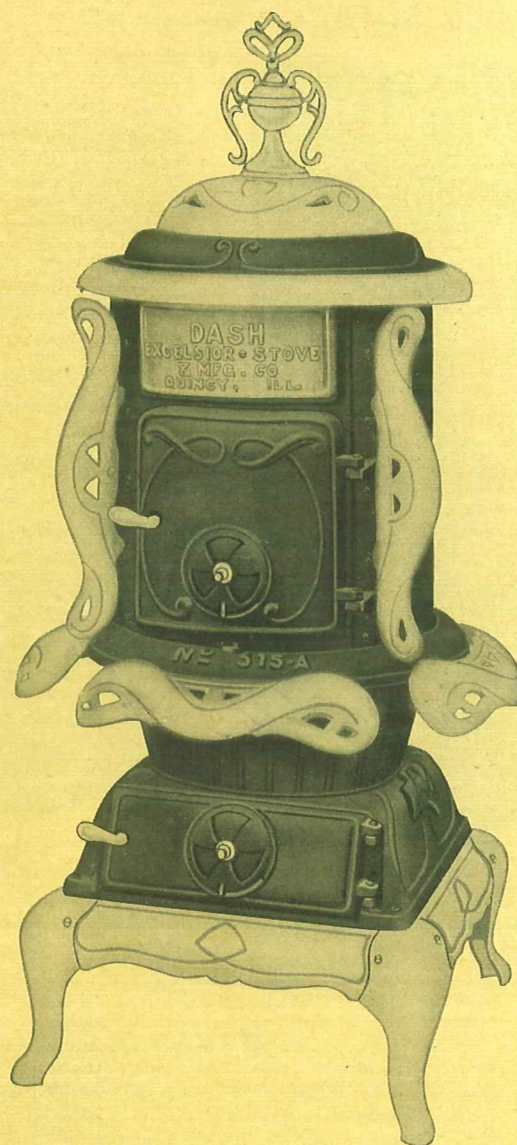
These are made of galvanized sheet metal, thoroughly asbestos lined. The casing rings are wrought steel and non-breakable. The casings are shipped knocked-down; are very easily put together. The top of bonnet is concaved, which deflects the heat directly into the hot air pipes.







# National Stoves, Ranges and Furnaces



## DASH NATIONAL

With Nickel Cast Base Strips and Legs

Low Priced Jr. Heater

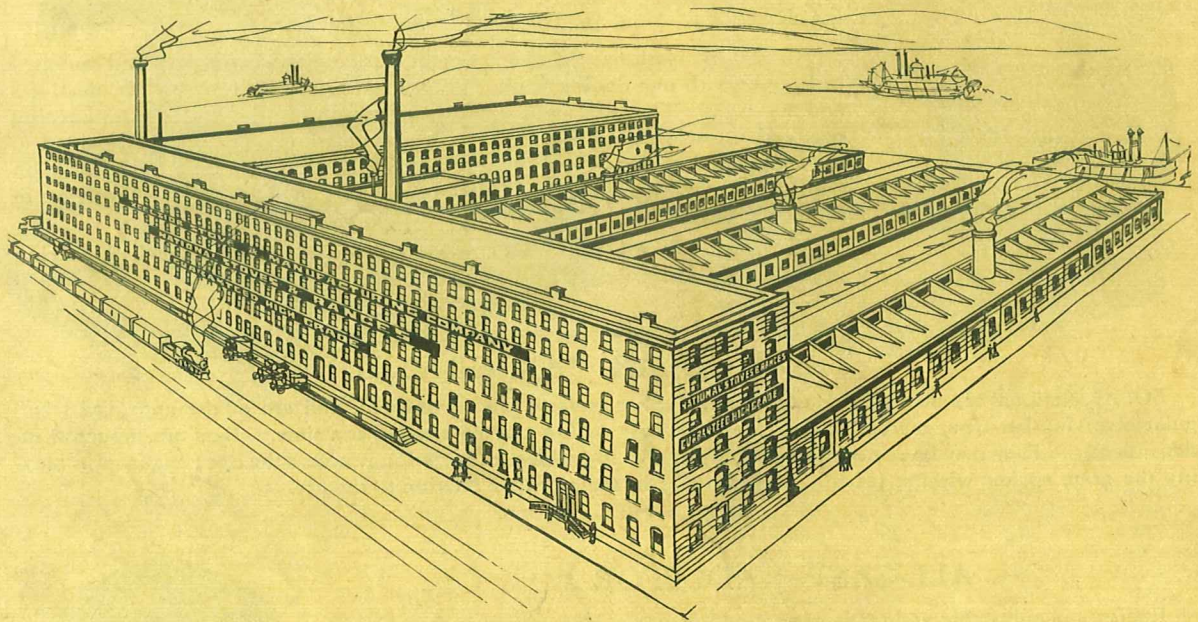
For Soft Coal

Number	Diameter Top of Fire Pot	Height Less Urn	Weight	Price	Code Word
515 A. N.	14	39	90	\$.....	Pagany
517 A. N.	16	41	118	.....	Palatey
Ash Pan, each. ....			Extra	.....	Worthy

Blue steel body, draw center grate, shakes through side of base, swing top, deep fire pot, cast bottom. Nickel trimmings, cast base, legs, three-foot rails, pilasters, swing top, turnkeys, knobs, urn, top ring.



THE HOME WHERE  
*National Stoves,  
Ranges and Furnaces*  
ARE MADE



**EXCELSIOR STOVE & MFG. CO.**  
QUINCY, ILLINOIS, U. S. A.

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*Branches*

OKLAHOMA CITY, OKLA.

PARIS, TEXAS

ST. PAUL, MINN.